WARFIGHTING ARCHITECTURE REQUIREMENTS

et Centric National Information Architecture, Operations, and Assuranc

WAR

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WAR = NEAR TERM BENEFITS FOR NCW

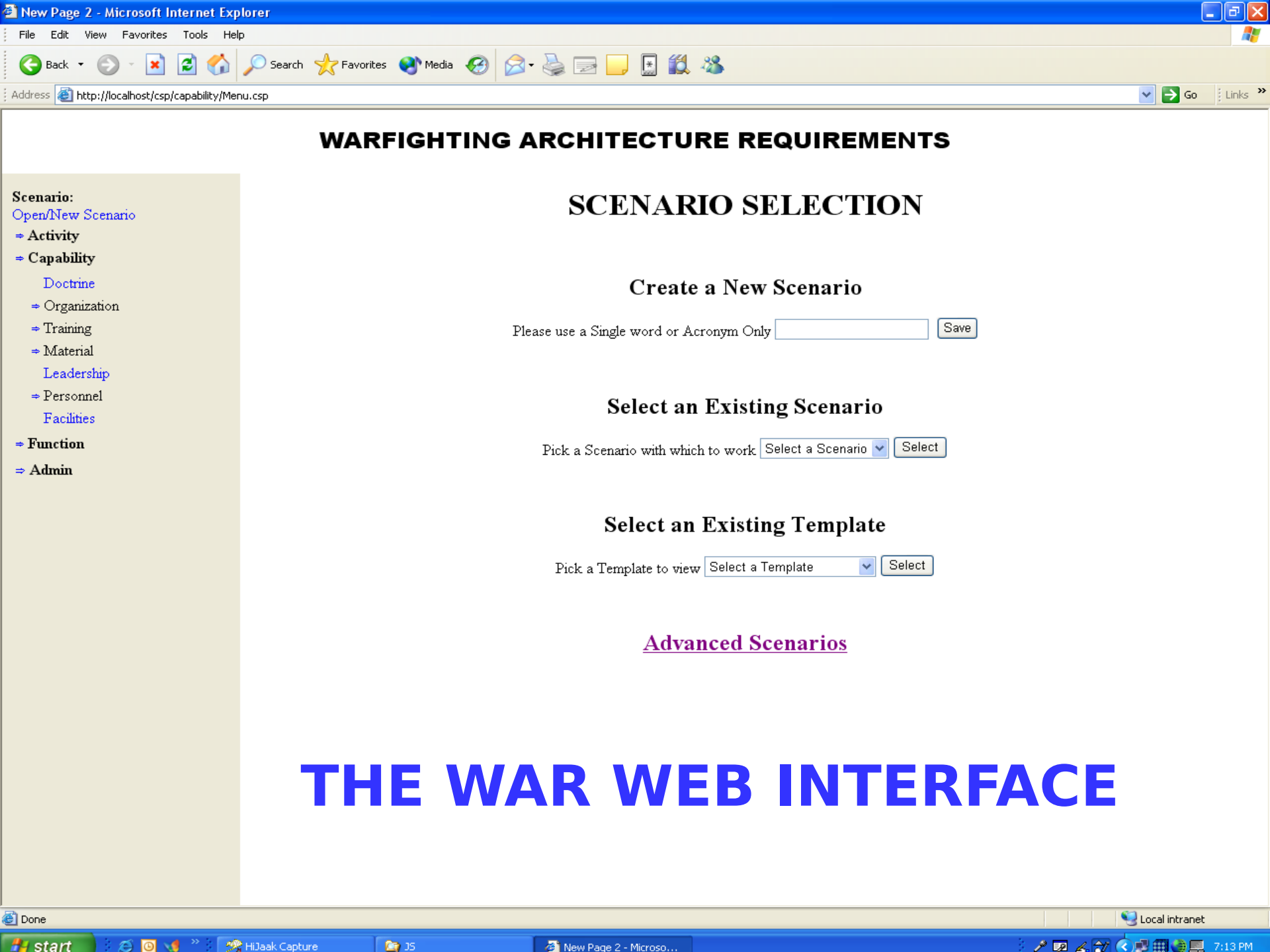
operational thin-client web hub working on both NIPRNET and SIPRNE
- **Supports distributed NCW information architecture**
- **Incorporates a powerful data reach-back capability to other hubs**

tablishment of a common OO data model for NCW in a warfighting cont
- **Based upon accepted taxonomies**
- **A foundation for ontology-based web service evolution**

decentralized scenario generation capability for participating command
- **Data driven unified GIG diagram generation (IAW DoDAF)**
- **Extends known and established standards**

Extensible COTS-based capability
- **To encompass necessary high-level NII/GIG/NECES concepts**
- **To support cross scenario End-to-End thread analyses**
- **To incorporate simulation and stimulation**
- **To build up logistics and performance measurement capabilities**
- **To fully embrace web services in short order**

WAR STARTS WITH AN ACTIVITY BASELINE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Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
Open/New Scenario
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
SCENARIO SELECTION
Create a New Scenario
Please use a Single word or Acronym Only
Save
Select an Existing Scenario
Pick a Scenario with which to work
Select a Scenario
Select
Select an Existing Template
Pick a Template to view
Select a Template
Select
Advanced Scenarios
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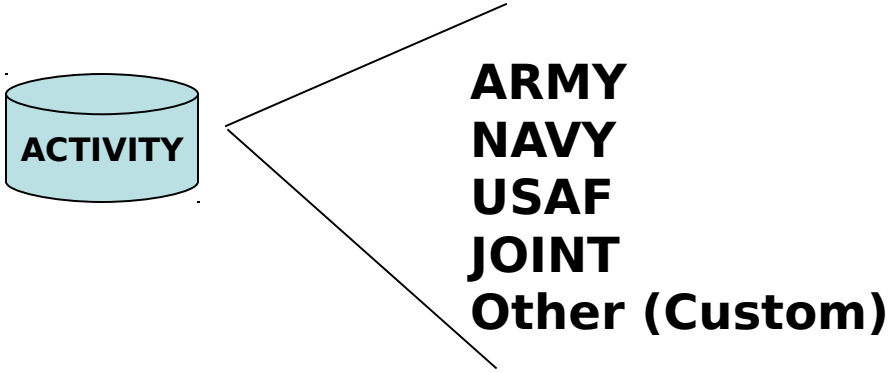
ACTIVITY BASELINE TAXONOMY



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WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scen
- **Activity**
- **Capability**
  - Doctrine
  - Organization
  - Training
  - Material
  - Leadership
  - Personnel
  - Facilities
- **Function**
- **Admin**

SELECT ACTIVITY ON

Create a New Scenario

Please use a Single word or Acronym Only [ ] Save

Select an Existing Scenario

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Advanced Scenarios

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Back Search Favorites Media
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WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario

- **Activity**
  - Army
  - Air Force
  - Navy
  - Joint
  - Other
- **Capability**
  - Doctrine
  - Organization
  - Training
  - Material
  - Leadership
  - Personnel
  - Facilities
- **Function**
- **Admin**

SCENARIO SELECTION

SELECT A SERVICE

Save

Select an Existing Scenario

Pick a Scenario with which to work: Select a Scenario — Select

Select an Existing Template

Pick a Template to view: Select a Template — Select

Advanced Scenarios

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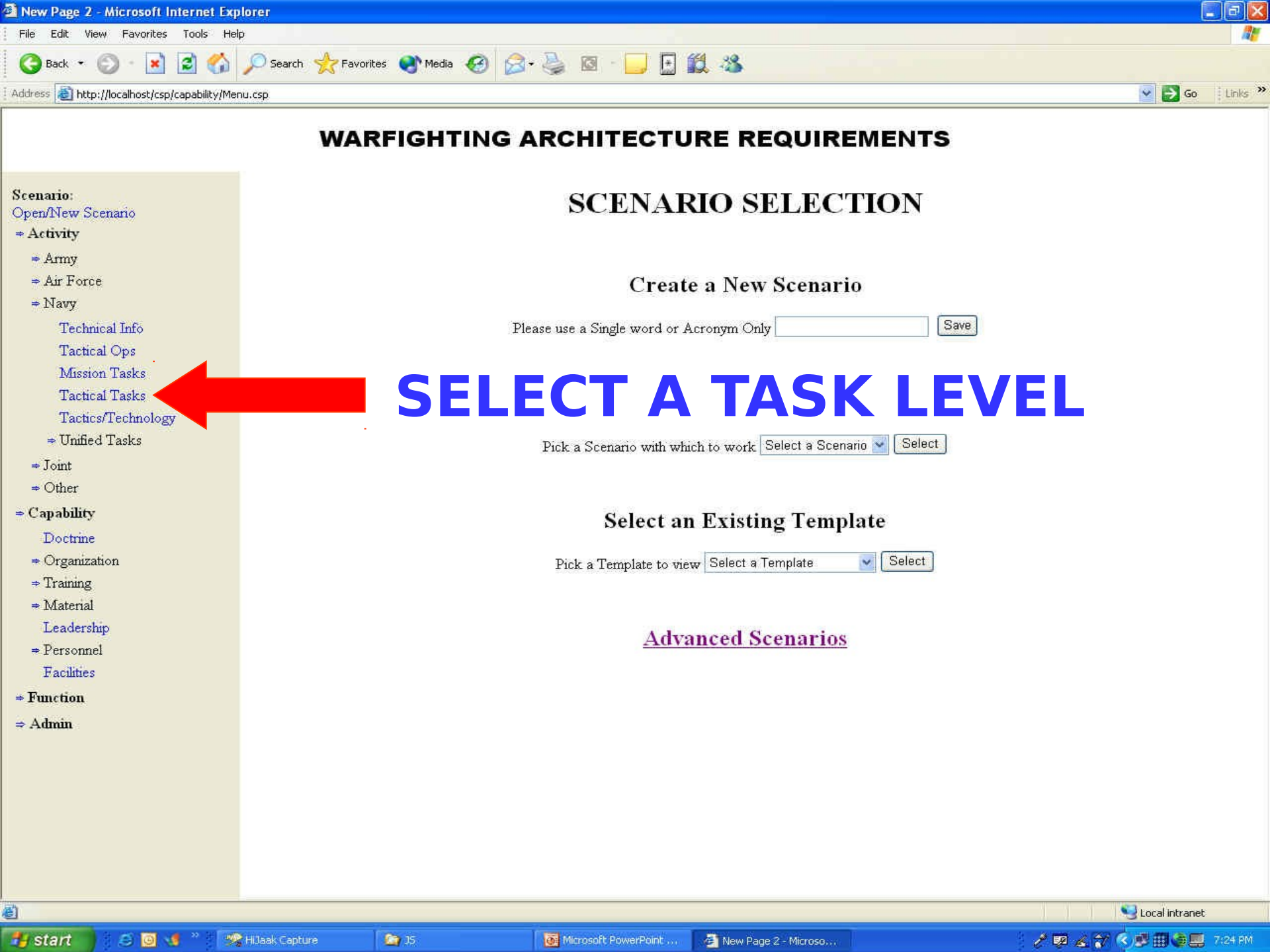
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Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
Open/New Scenario
Activity
Army
Air Force
Navy
Technical Info
Tactical Ops
Mission Tasks
Tactical Tasks
Tactics/Technology
Unified Tasks
Joint
Other
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
SCENARIO SELECTION
Create a New Scenario
Please use a Single word or Acronym Only
Save
SELECT A TASK LEVEL
Pick a Scenario with which to work
Select a Scenario
Select
Select an Existing Template
Pick a Template to view
Select a Template
Select
Advanced Scenarios
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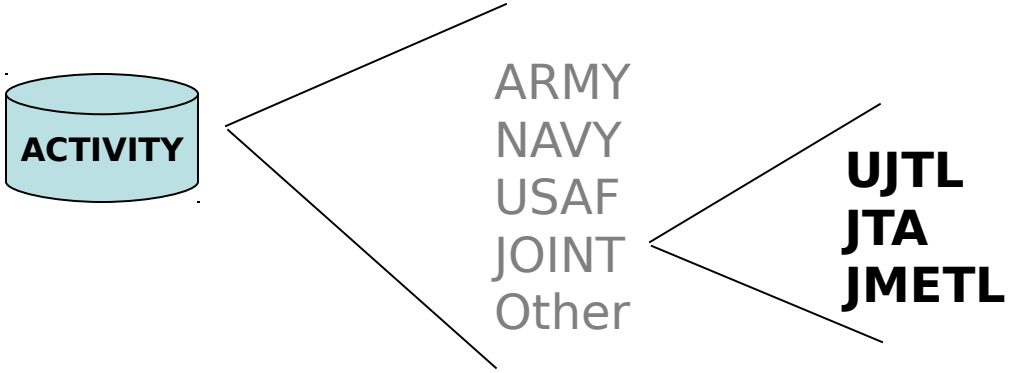
ACTIVITY BASELINE TAXONOMY



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Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- **Activity**
  - Army
  - Air Force
  - Navy
    - Technical Info
    - Tactical Ops
    - Mission Tasks
    - Tactical Tasks
    - Tactics/Technology
    - Unified Tasks
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- **Capability**
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  - Material
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  - Facilities
- **Function**
- **Admin**

Tactical Tasks Inventory

Return to the the Main Menu

Enter or Search NTA Data

Display 50 Records per page

Search All for Go

1 to 50 of 424

Next - Last

Details	Name	Navy Tactical Task
Details	NTA 1	DEPLOY FORCES/CONDUCT MANEUVER.
Details	NTA 1.1	Move Naval Tactical Forces.
Details	NTA 1.1.1	Prepare Forces For Movement.
Details	NTA 1.1.1.1	Determine Lift Requirements.
Details	NTA 1.1.1.2	Stage/Marshal Forces.
Details	NTA 1.1.1.3	Embark Forces.
Details		
Details		
Details		
Details		
Details	NTA 1.1.1.7.1	Provide Engineering/Main Propulsion Support.
Details	NTA 1.1.1.7.2	Provide Combat Systems/Deck/Communications Support.
Details	NTA 1.1.2	Move Forces.
Details	NTA 1.1.2.1	Establish Naval Control and Protection of Shipping (NCAPS).
Details	NTA 1.1.2.2	Move Embarked Forces.
Details	NTA 1.1.2.3	Move Units.
Details	NTA 1.1.2.3.1	Conduct Air Wing and Air Combat Element Carrier Qualification.
Details	NTA 1.1.2.3.2	Launch Aircraft.
Details	NTA 1.1.2.3.3	Recover Aircraft.
Details	NTA 1.1.2.3.3.1	Rig and Operate CV/CVW with MOVLAS.
Details	NTA 1.1.2.3.4	Sail Ship from Port, Anchorage, or Moorage.
Details	NTA 1.1.2.3.5	Return Ship to Port, Anchorage, or Moorage.
Details	NTA 1.1.2.4	Conduct Tactical Insertion and Extraction.
Details	NTA 1.2	Navigate and Close Forces

SELECTED TASK LIST

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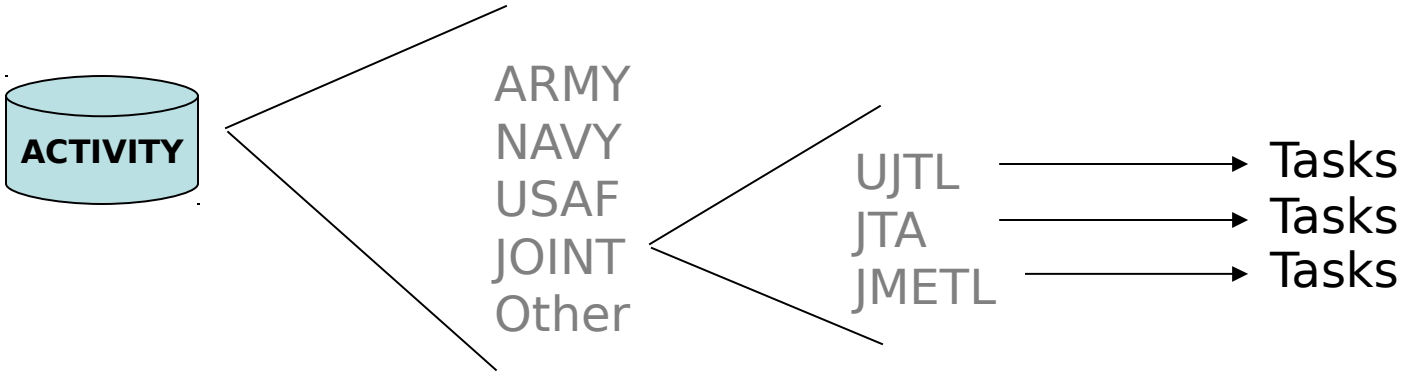

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Tactical Tasks Inventory

Return to the the Main Menu

Enter or Search NTA Data

Display 50 Records per page Search All for Go

1 to 50 of 424 Next - Last

SELECT TASK DETAIL

Details	Name	Navy Tactical Task
Details	NTA 1	DEPLOY FORCES/CONDUCT MANEUVER
Details	NTA 1.1	
Details	NTA 1.	
Details	N	
Details	NTA 1.1.1.2	Stage/Marshal Forces.
Details		Embark Forces.
Details	NTA 1.1.1.4	Conduct Administrative Offload.
Details	NTA 1.1.1.5	Conduct Shore-to-Ship Movement.
Details	NTA 1.1.1.6	Reconstitute/Redeploy the MAGTF.
Details	NTA 1.1.1.7	Prepare Ship for Movement.
Details	NTA 1.1.1.7.1	Provide Engineering/Main Propulsion Support.
Details	NTA 1.1.1.7.2	Provide Combat Systems/Deck/Communications Support.
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Details	NTA 1.2	Navigate and Close Forces

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Back Search Favorites Media
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Go Links

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NTA

Return to NTA Listing

Return to Main Menu

Name

NTA 1.1.1.3

Navy Tactical Task

Embark Forces.

Description

To embark forces and equipment on naval (including expeditionary/amphibious and follow-on) Military Sealift or commercial shipping and aircraft, preparatory to movement to off-load area. Includes preparation of loading and berthing plans. How the forces are embarked may be determined by the expected tactical requirements upon offloading. Administrative loading takes maximum advantage of the available shipping space while combat loading maximizes the ability to rapidly offload critical personnel equipment and supplies.

NTA Reference

(JP 1, 3-0, 3-02, 3-02.2, NDP-4, NWP 3-02 Series, 3-02.21, 4-01.2, FMFM 1-14, FMFM 1-16)

NTA Notes

Navy Organization

Activity Childern

Activity Cost

Activity Predecessor

Activity Successor

Resulting Information

Parent Activity

SELECTED TASK DETAIL

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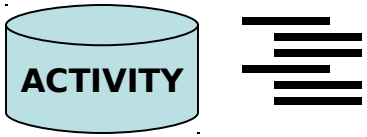
ACTIVITY BASELINE TAXONOMY



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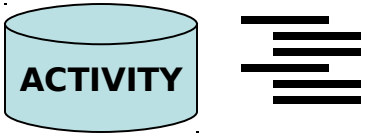

CAPABILITY

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Back Search Favorites Media

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WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- **Activity**
- **Capability**
  - Doctrine
  - Organization
  - Training
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  - Facilities
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SCENARIO SELECTION

OBSERVE CAPABILITY

Please use a Single word or Acronym Only [ ] Save

Select an Existing Scenario

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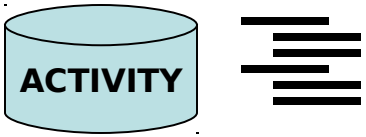
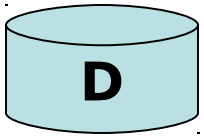
CAPABILITY BASELINE



CAPABILITY



DOCTRINE

New Page 2 - Microsoft Internet Explorer

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Back Search Favorites Media

Address http://localhost/csp/capability/Menu.csp Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- **Activity**
- **Capability**
  - Doctrine
  - Organization
  - Training
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  - Facilities
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SCENARIO SELECTION

SELECT DOCTRINE

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Select an Existing Scenario

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Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- **Activity**
- **Capability**
  - Doctrine
  - Organization
  - Training
  - Material
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  - Personnel
  - Facilities
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- **Admin**

Doctrine

Return to Doctrine Listing

Return to Main Menu

Name	V-22 C4ISP
Description	V-22 C4I Support Plan
Capability Type	Doctrine
Type of Document	C4ISP
Source	USMC
Subject System	MV-22
Related File	V-22 C4ISP
Reference	Final MV-22 C4ISP with OSD Comments
Related Web Site	
Doctrine Origination	V-22 Osprey Program Office, PMA-275
Date of Doctrine	09/30/2000
Doctrine Applicability	Applies to the MV-22 Tilt Rotar Aircraft and its multiple inferfaces
Record Status	Verified

SELECTED DOCTRINE

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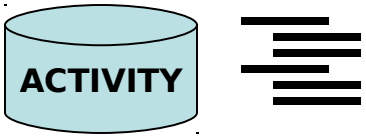
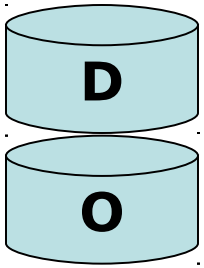
CAPABILITY BASELINE



CAPABILITY



DOCTRINE

ORGANIZATION

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Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- Activity
- Capability
  - Doctrine
  - Organization
    - Organization
    - Combined
      - Battle Group
      - Expeditionary Force
      - TaskGp
      - Cross Reference
  - Training
  - Material
  - Leadership
  - Personnel
  - Facilities
- Function
- Admin

Organization Inventory

Return to the the Main Menu

Enter or Search C

SELECT ORGANIZATION

Warfighting Organization Listing Display 20 Records per page Search All for Go

1 to 20 of 50 Next - Last

Details	Name
Details	Department of Defense
Details	US Strategic Command
Details	Strategic Communications Wing 1
Details	20th Air Force
Details	90th Space Wing
Details	91st Space Wing
Details	341st Space Wing
Details	8th Air Force
Details	Naval Submarine Force Atlantic Fleet
Details	Submarine Group 10
Details	Submarine Squadron 16
Details	Submarine Squadron
Details	Naval Submarine Force Pacific Fleet
Details	Submarine Group 9
Details	Submarine Squadron 17
Details	Air Force Space Command
Details	14th Air Force / US Space Air Force
Details	21st Space Wing
Details	30th Space Wing
Details	45th Space Wing

Next - Last

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Back Search Favorites Media
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WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
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  - Material
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Organization Inventory

Return to the the Main Menu

Enter or Search Organization Data

Alternate Views

Warfighting Organization Listing Display 20 R

Go

Next - Last

Details	Name
Details	Department of Defense
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Details	20th Air Force
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Details	30th Space Wing
Details	45th Space Wing

Next - Last

SEEK ALTERNATE ORGANIZATIONAL VIEW

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File Edit View Favorites Tools Help
Back Search Favorites Media
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Scenario:
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      - TaskGp
      - Cross Reference
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Organization Inventory

Return to the the Main Menu

Enter or Search Organization Data

Alternate Views

Warfighting Organization Listing
Alphabetical Organization Listing

Select By Service:

Select By Parent Organization: US Strategic Command

Warfighting Organization Listing Display 20 Recc Go

Next - Last

Details	Name
Details	Department of Defense
Details	US Strategic Command
Details	Strategic Communications Wing 1
Details	20th Air Force
Details	90th Space Wing
Details	91st Space Wing
Details	341st Space Wing
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Details	Submarine Squadron 16
Details	Submarine Squadron
Details	Naval Submarine Force Pacific Fleet
Details	Submarine Group 9
Details	Submarine Squadron 17

DEFINE ALTERNATE ORGANIZATIONAL VIEW

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Back Search Favorites Media
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Organization Inventory

Return to the the Main Menu

Enter or Search Organization Data

Alternate Views

Parent Organization = 'US Strategic Command' Display 20 Records per page

Search All for Go

1 to 9 of 9

Details	Name	Parent Organization
Details	20th Air Force	US Strategic Command
Details	8th Air Force	US Strategic Command
Details	Air Force Space Command	US Strategic Command
Details	Manned Space Flight Support Office	US Strategic Command
Details	Naval Submarine Force Atlantic Fleet	US Strategic Command
Details	Naval Submarine Force Pacific Fleet	US Strategic Command
Details	Strategic Communications Wing 1	US Strategic Command
Details	US Army Space Command	US Strategic Command
Details	US Naval Network and Space Operations Command	US Strategic Command

Return to the the Main Menu

SELECT ORGANIZATIONAL DETAIL

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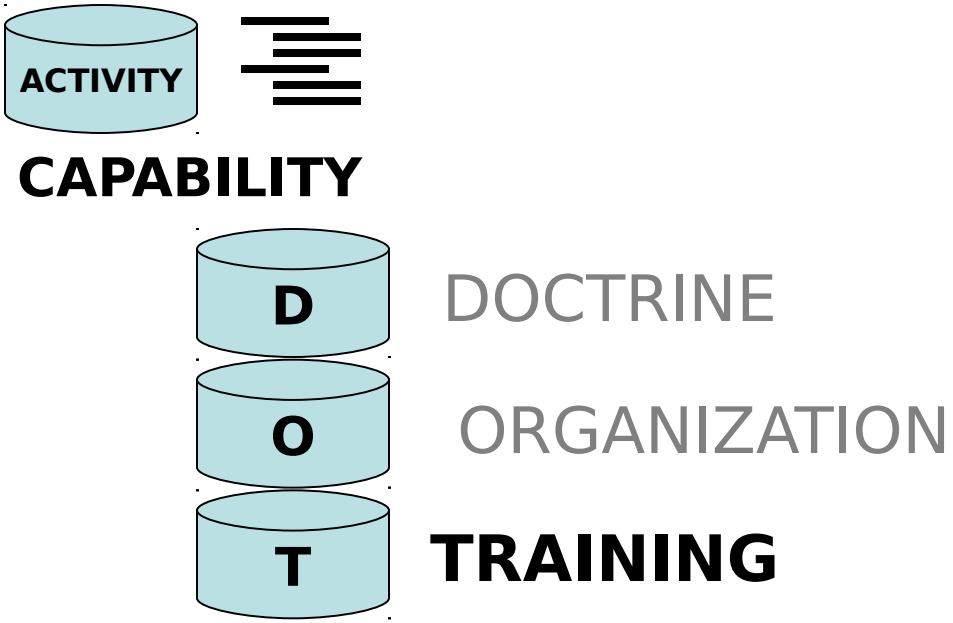
CAPABILITY BASELINE



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File Edit View Favorites Tools Help
Back Search Favorites Media
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Scenario:
Open/New Scenario
- **Activity**
- **Capability**
  - Doctrine
  - Organization
  - Training
    - School
      - Special Features
        - Range Facilities
        - SchTgt
      - Curriculum
        - Unit Topic
          - Lesson Topic
            - Procedure
        - Proficiency
        - Specialty
  - Material
  - Leadership
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SCENARIO SELECTION

SELECT TRAINING Save

Select an Existing Scenario

Pick a Scenario with which to work Select a Scenario Select

Select an Existing Template

Pick a Template to view Select a Template Select

Advanced Scenarios

Local intranet
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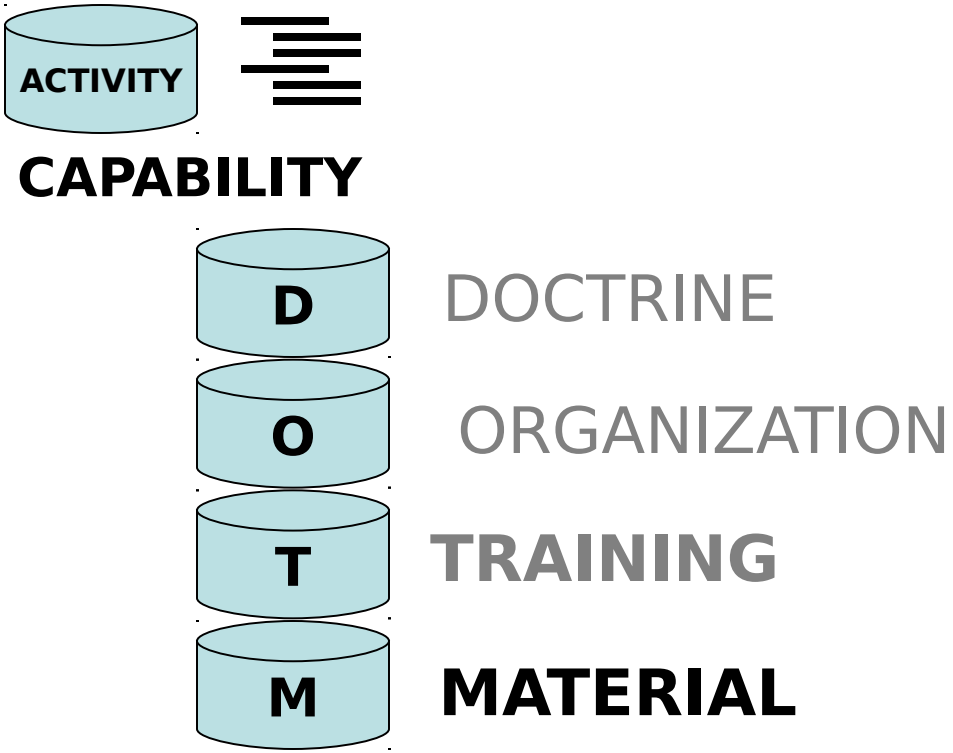
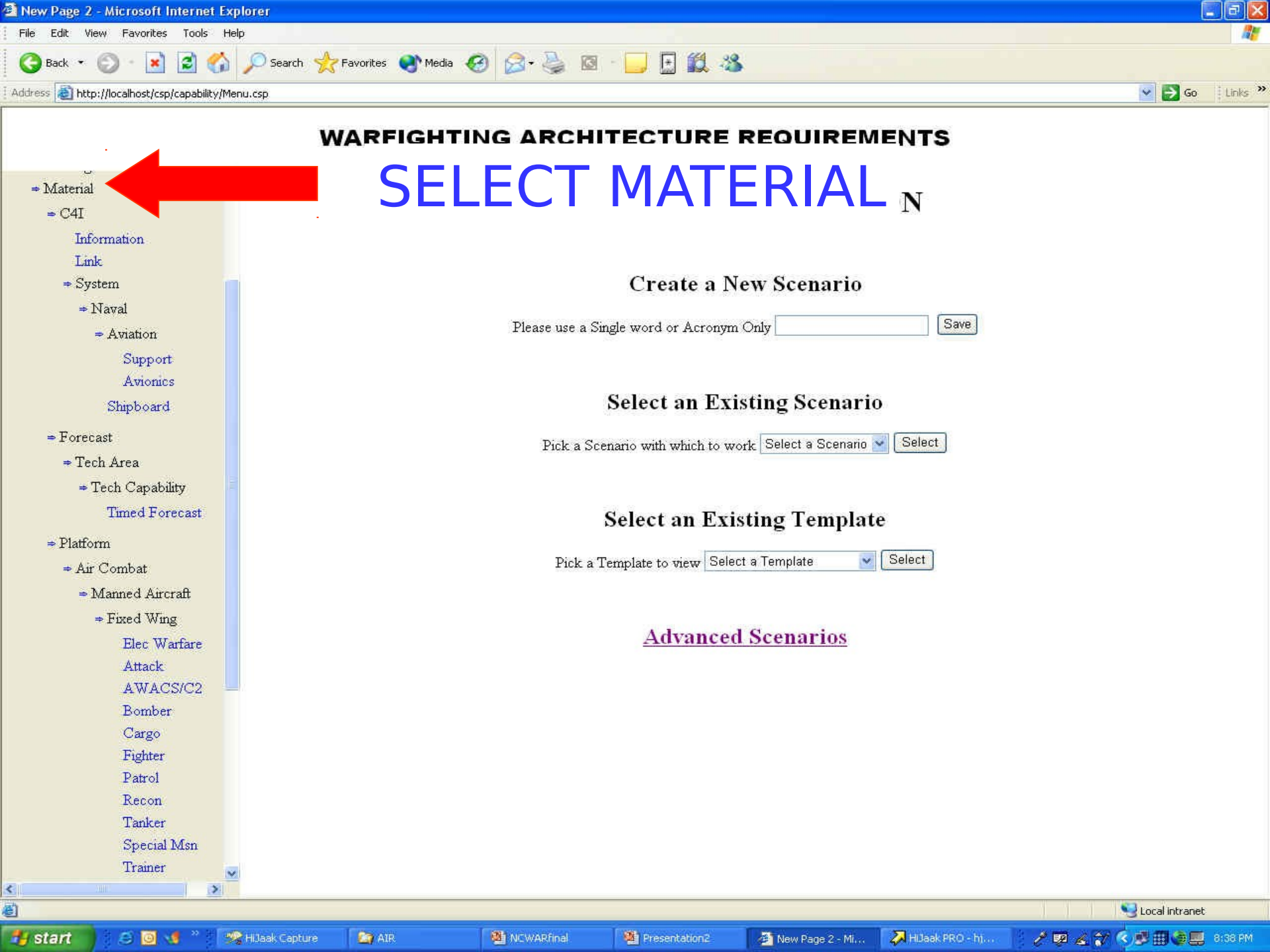
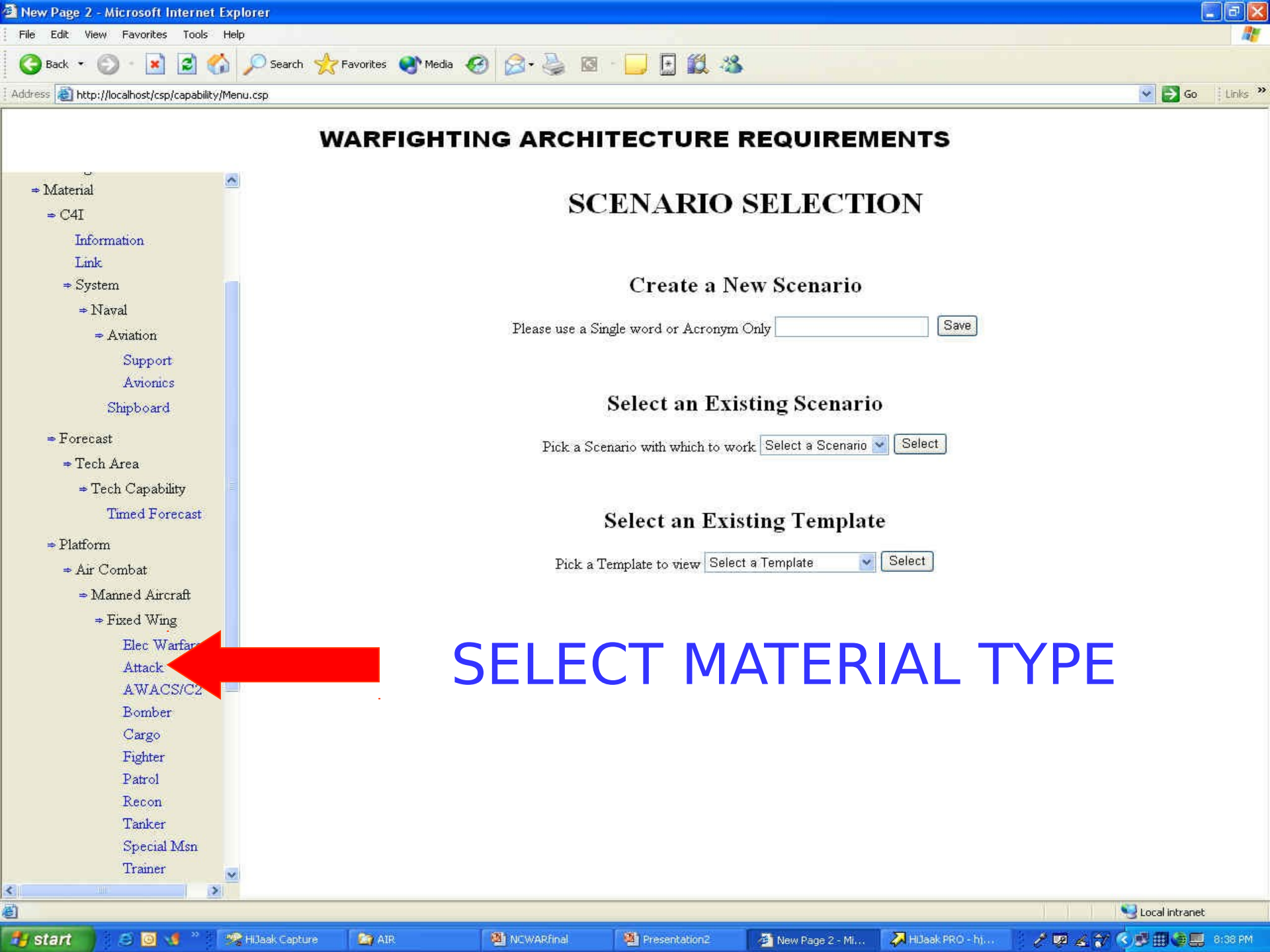
CAPABILITY BASELINE




New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
SELECT MATERIAL
N
Material
C4I
Information
Link
System
Naval
Aviation
Support
Avionics
Shipboard
Forecast
Tech Area
Tech Capability
Timed Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Create a New Scenario
Please use a Single word or Acronym Only
Save
Select an Existing Scenario
Pick a Scenario with which to work
Select a Scenario
Select
Select an Existing Template
Pick a Template to view
Select a Template
Select
Advanced Scenarios
Local intranet
start
HiJaak Capture
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
8:38 PM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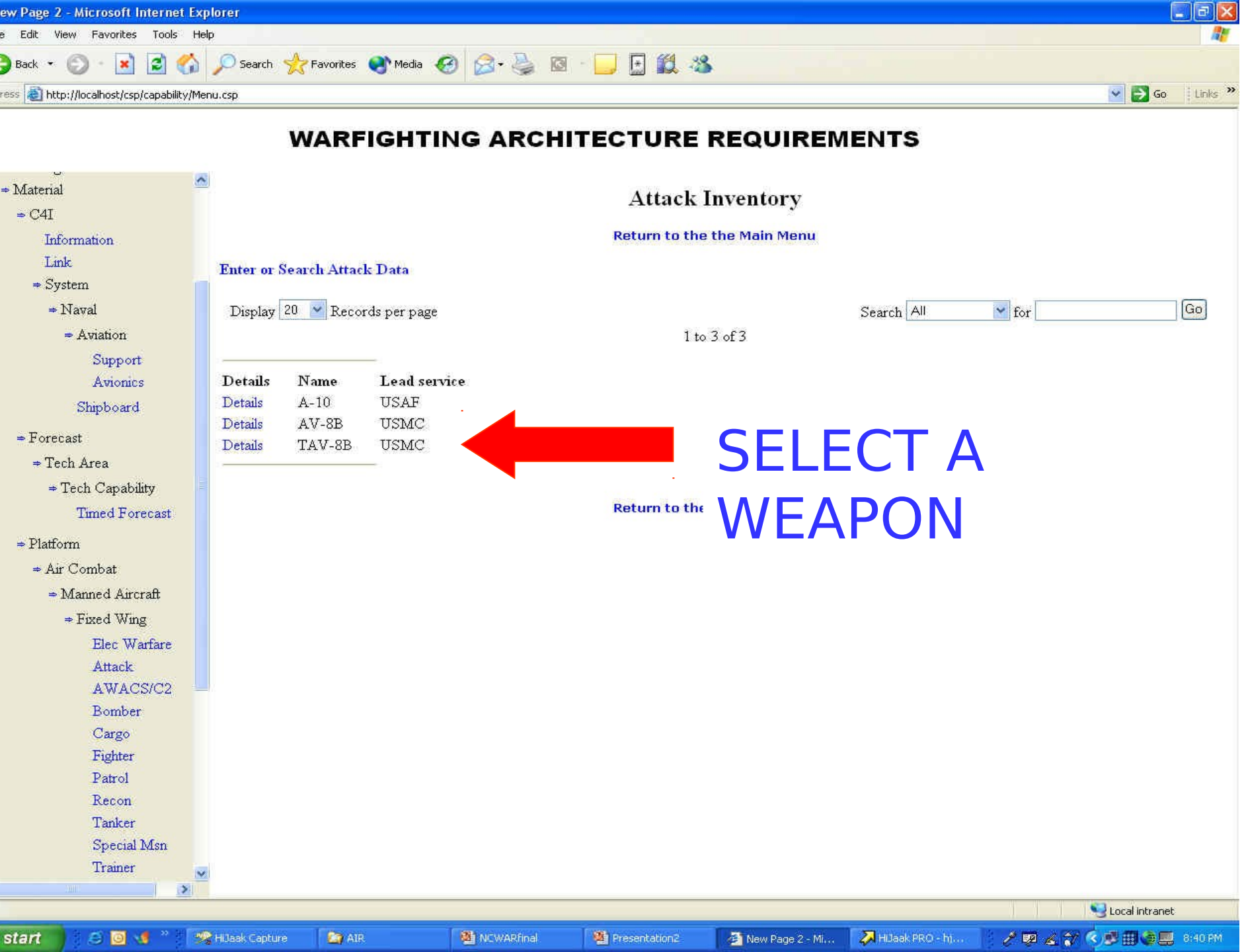
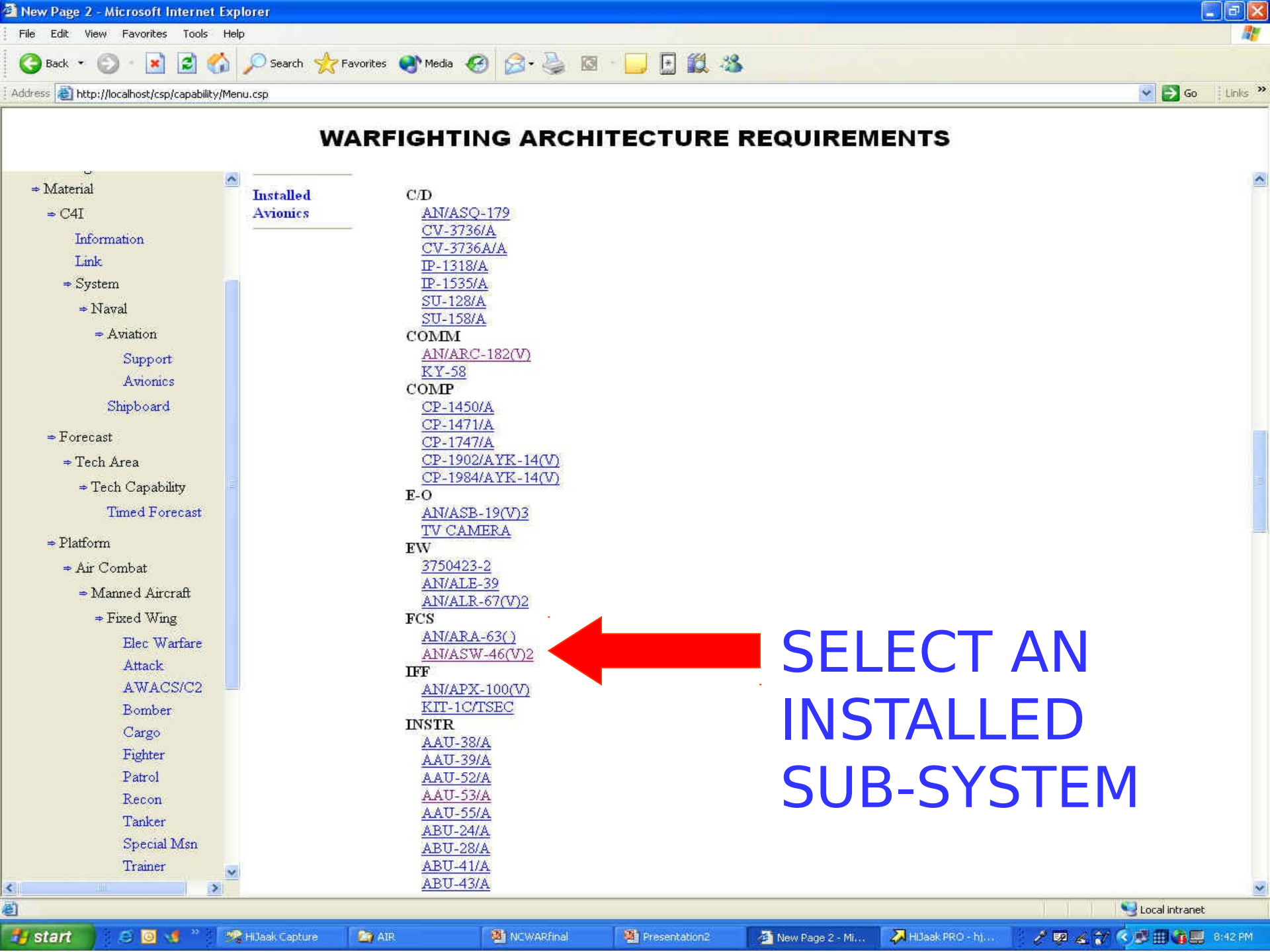
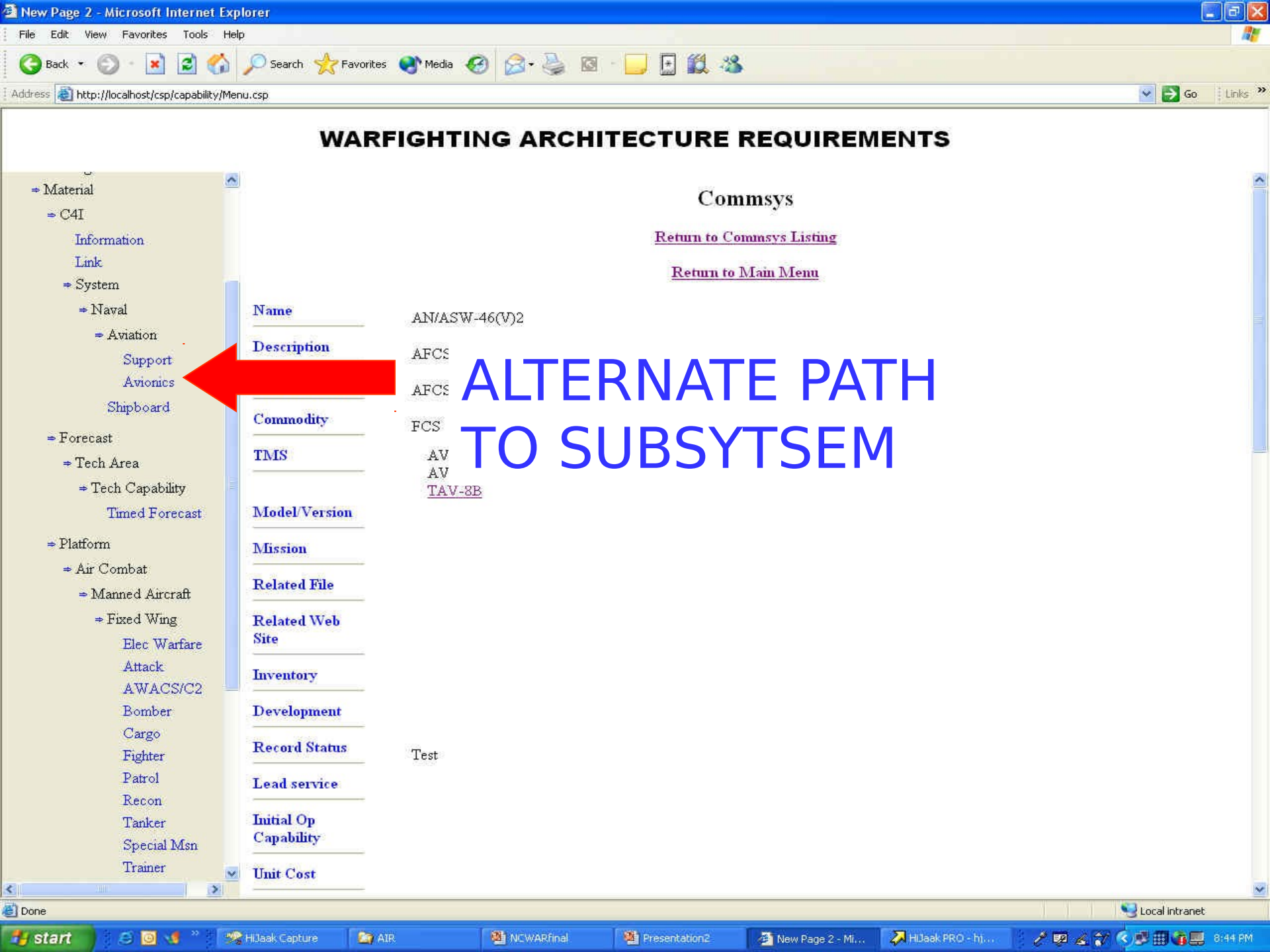
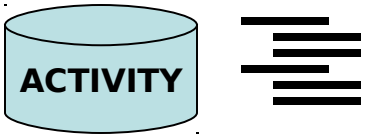
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Material
C4I
Information
Link
System
Naval
Aviation
Support
Avionics
Shipboard
Forecast
Tech Area
Tech Capability
Timed Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
SCENARIO SELECTION
Create a New Scenario
Please use a Single word or Acronym Only
Save
Select an Existing Scenario
Pick a Scenario with which to work
Select a Scenario
Select
Select an Existing Template
Pick a Template to view
Select a Template
Select
SELECT MATERIAL TYPE
Local intranet
start
HiJaak Capture
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
8:38 PM


ew Page 2 - Microsoft Internet Explorer
Edit View Favorites Tools Help
Back Search Favorites Media
http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Material
C4I
Information
Link
System
Naval
Aviation
Support
Avionics
Shipboard
Forecast
Tech Area
Tech Capability
Timed Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Attack Inventory
Return to the the Main Menu
Enter or Search Attack Data
Display 20 Records per page
Search All for Go
1 to 3 of 3
Details Name Lead service
Details A-10 USAF
Details AV-8B USMC
Details TAV-8B USMC
Return to the
SELECT A WEAPON
Local intranet
start
HiJaak Capture
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
8:40 PM

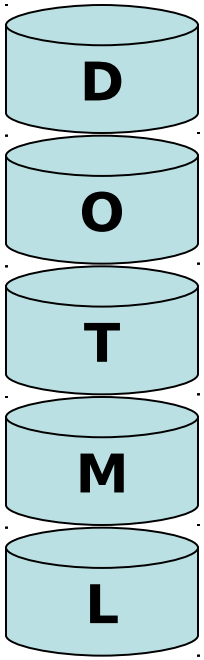

New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Material
C4I
Information
Link
System
Naval
Aviation
Support
Avionics
Shipboard
Forecast
Tech Area
Tech Capability
Timed Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Installed Avionics
C/D
AN/ASQ-179
CV-3736/A
CV-3736A/A
IP-1318/A
IP-1535/A
SU-128/A
SU-158/A
COMM
AN/ARC-182(V)
KY-58
COMP
CP-1450/A
CP-1471/A
CP-1747/A
CP-1902/AYK-14(V)
CP-1984/AYK-14(V)
E-O
AN/ASB-19(V)3
TV CAMERA
EW
3750423-2
AN/ALE-39
AN/ALR-67(V)2
FCS
AN/ARA-63( )
AN/ASW-46(V)2
IFF
AN/APX-100(V)
KIT-1C/TSEC
INSTR
AAU-38/A
AAU-39/A
AAU-52/A
AAU-53/A
AAU-55/A
ABU-24/A
ABU-28/A
ABU-41/A
ABU-43/A
SELECT AN INSTALLED SUB-SYSTEM
Local intranet
start
HiJaak Capture
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
8:42 PM


New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Material
C4I
Information
Link
System
Naval
Aviation
Support
Avionics
Shipboard
Forecast
Tech Area
Tech Capability
Timed Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Commsys
Return to Commsys Listing
Return to Main Menu
Name
Description
Commodity
TMS
Model/Version
Mission
Related File
Related Web Site
Inventory
Development
Record Status
Lead service
Initial Op Capability
Unit Cost
AN/ASW-46(V)2
AFCS
AFCS
FCS
AV
AV
TAV-8B
Test
ALTERNATE PATH
TO SUBSYTSEM
Done
Local intranet
start
HiJaak Capture
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
8:44 PM

CAPABILITY BASELINE



CAPABILITY



DOCTRINE

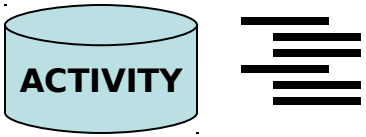
ORGANIZATION

TRAINING

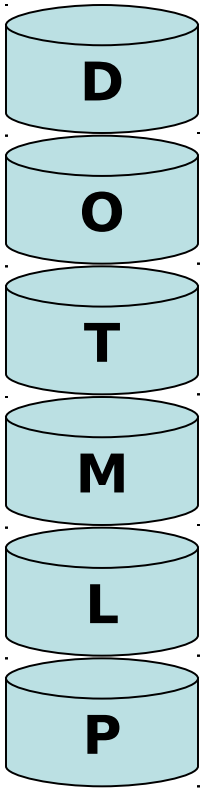
MATERIAL

LEADERSHIP and EDUCATION

CAPABILITY BASELINE



CAPABILITY



DOCTRINE

ORGANIZATION

TRAINING

MATERIAL

LEADERSHIP and EDUCATION

PERSONNEL

New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- Activity
- Capability
  - Doctrine
  - Organization
  - Training
  - Material
  - Leadership
  - Personnel
    - Civilian
      - General Service
      - WageGrade
    - Military
      - Enlisted
      - Officer
  - Facilities
- Function
- Admin

General Service Inventory

Return to the the Main Menu

Enter or Search GenSvc Data

Alternate Views

Listing by Series Display 20 Records per page Search All for Go

First - Previous 241 to 260 of 502 Next - Last

Details	GS Series	
Details	GS-0799	
Details	GS-0800	
Details	GS-0801	
Details	GS-0802	
Details	GS-0803	
Details	GS-0804	Fire Protection Engineering
Details	GS-0806	Materials Engineering
Details	GS-0807	Landscape Architecture
Details	GS-0808	Architecture
Details	GS-0809	Construction Control
Details	GS-0810	Civil Engineering
Details	GS-0817	Surveying Technician
Details	GS-0818	Engineering Drafting
Details	GS-0819	Environmental Engineering
Details	GS-0828	Construction Analyst
Details	GS-0830	Mechanical Engineering
Details	GS-0840	Nuclear Engineering
Details	GS-0850	Electrical Engineering
Details	GS-0854	Computer Engineering

First - Previous Next - Last

SELECT PERSONEL TYPE

Local intranet
start HiJaak Capture AIR NCWARfinal Presentation2 New Page 2 - Mi... HiJaak PRO - hj... 8:47 PM

New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- Activity
- Capability
  - Doctrine
  - Organization
  - Training
  - Material
  - Leadership
  - Personnel
    - Civilian
      - General Service
      - WageGrade
    - Military
      - Enlisted
      - Officer
  - Facilities
- Function
- Admin

General Service Inventory

Return to the the Main Menu

Enter or Search GenSvc Data

Alternate Views

Listing by Series Display 20 Records per page Search All for Go

First - Previous 241 to 260 of 502 Next - Last

Details	GS Series	Name
Details	GS-0704	Animal Health Technician
Details	GS-0799	Veterinary Student Trainee
Details	GS-0800	
Details	GS-0801	General Engineering
Details	GS-0802	Engineering Technician
Details	GS-0803	Safety Engineering
Details	GS-0804	Fire Protection Engineering
Details	GS-0810	Civil Engineering
Details	GS-0817	Surveying Technician
Details	GS-0818	Engineering Drafting
Details	GS-0819	Environmental Engineering
Details	GS-0828	Construction Analyst
Details	GS-0830	Mechanical Engineering
Details	GS-0840	Nuclear Engineering
Details	GS-0850	Electrical Engineering
Details	GS-0854	Computer Engineering

First - Previous Next - Last

SELECT JOB CLASSIFICATION

Local intranet
start HiJaak Capture AIR NCWARfinal Presentation2 New Page 2 - Mi... HiJaak PRO - hj... 8:47 PM

New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- **Activity**
- **Capability**
  - Doctrine
  - Organization
  - Training
  - Material
  - Leadership
  - Personnel
    - Civilian
      - General Service
      - WageGrade
    - Military
      - Enlisted
      - Officer
  - Facilities
- **Function**
- **Admin**

GenSvc

Return to GenSvc Listing

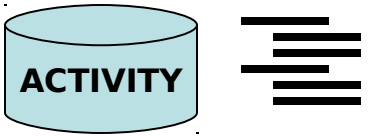
Return to Main Menu

GS Series	GS-0850
Name	Electrical Engineering
Description	This series includes professional engineering positions that require primarily application of knowledge of: (1) the physical and engineering sciences and mathematics; (2) electrical phenomena; and (3) the principles, techniques, and practices of electrical engineering. The work pertains primarily to electrical circuits, circuit elements, equipment, systems, and associated phenomena concerned with electrical energy for purposes such as motive power, heating, illumination, chemical processes, or the production of localized electric or magnetic fields.
Sub-specialty	
Source	OPM:Handbook of Occupational Groups and Families
Source Date	Aug-01
GS Group	ENGINEERING AND ARCHITECTURE
Grade	
Number	
Class	GS-0800
Capability Type	
Record Status	
Related Web Site	
Type	GS
Related File	

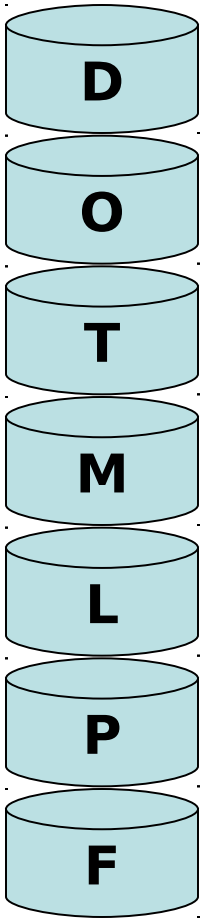
SELECTED SPECIALTY

Done
Local intranet
start HiJaak Capture AIR NCWARfinal Presentation2 New Page 2 - Mi... HiJaak PRO - hj... 8:50 PM

CAPABILITY BASELINE



CAPABILITY



DOCTRINE

ORGANIZATION

TRAINING

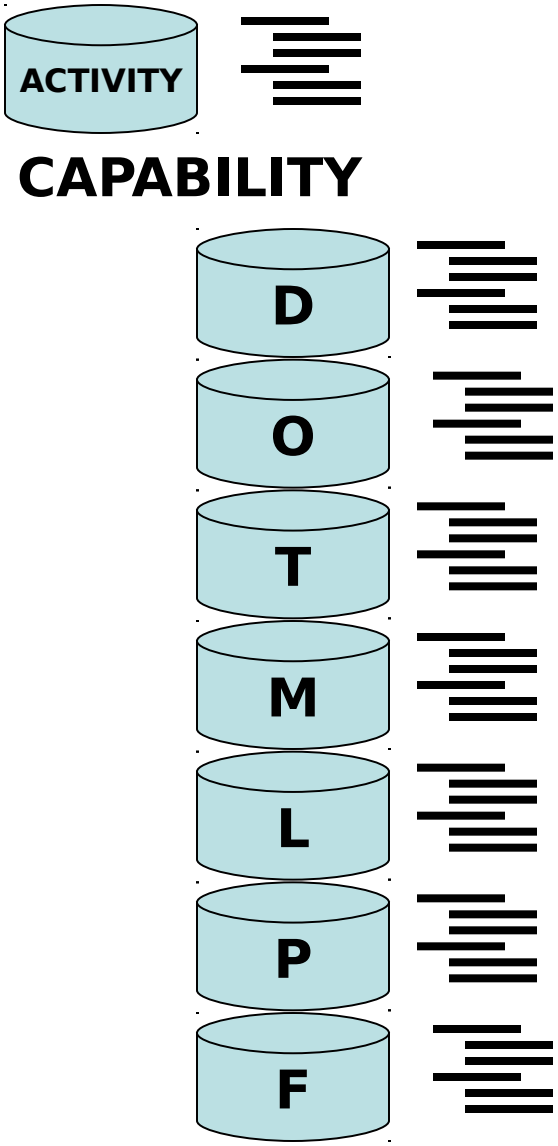
MATERIAL

LEADERSHIP and EDUCATION

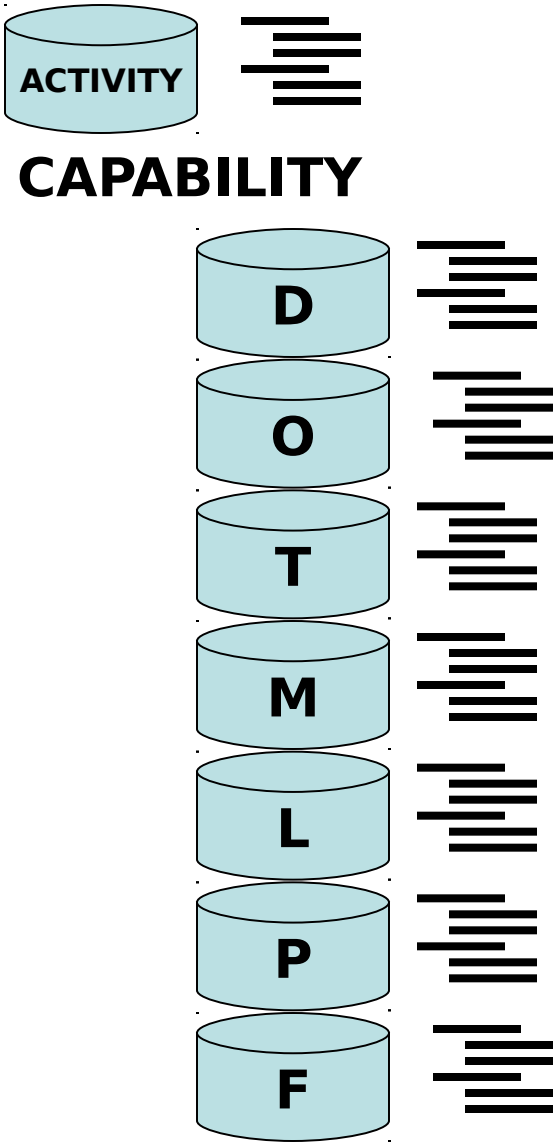
PERSONNEL

FACILITIES

CAPABILITY BASELINE TAXONOMIES



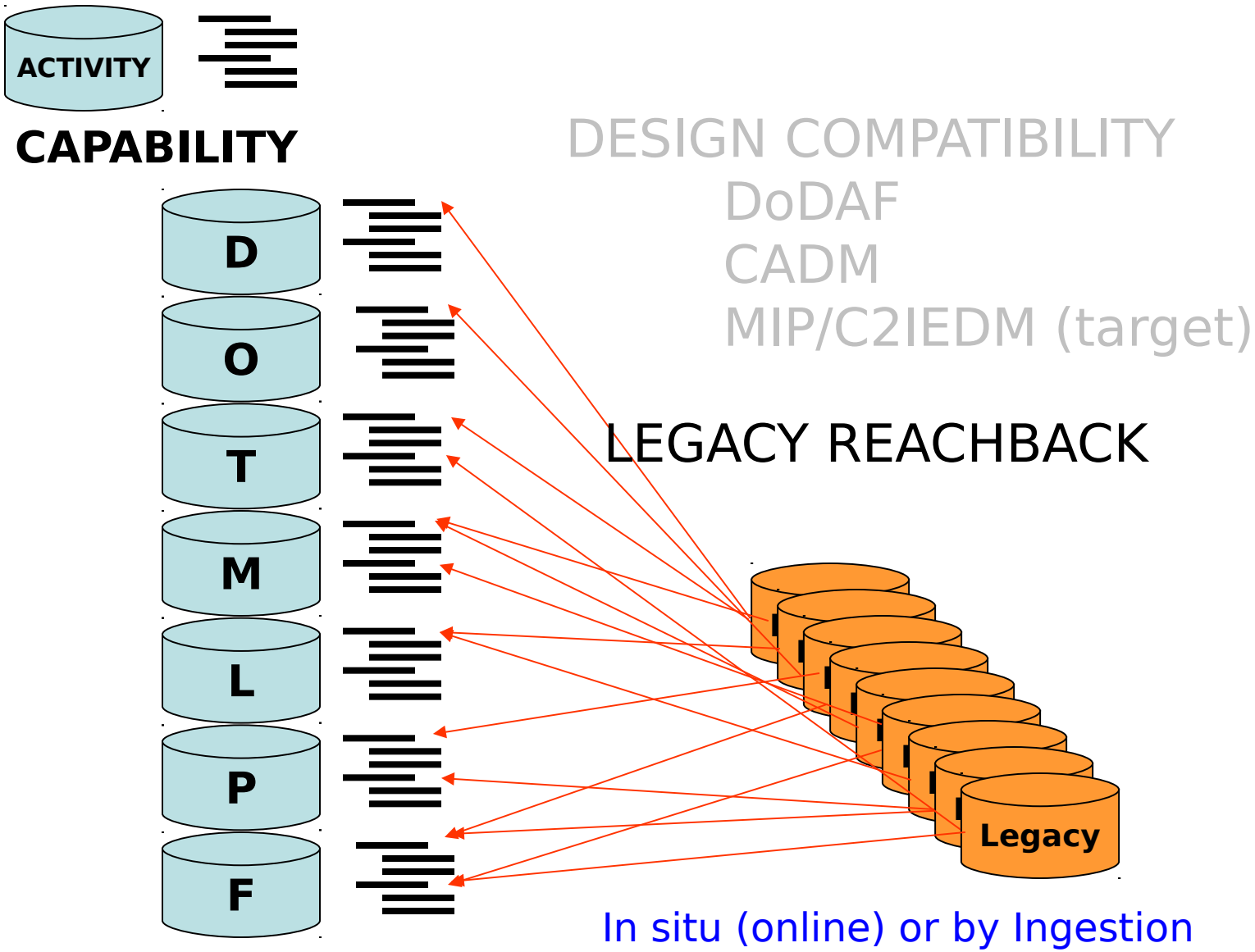
CAPABILITY BASELINE TAXONOMIES



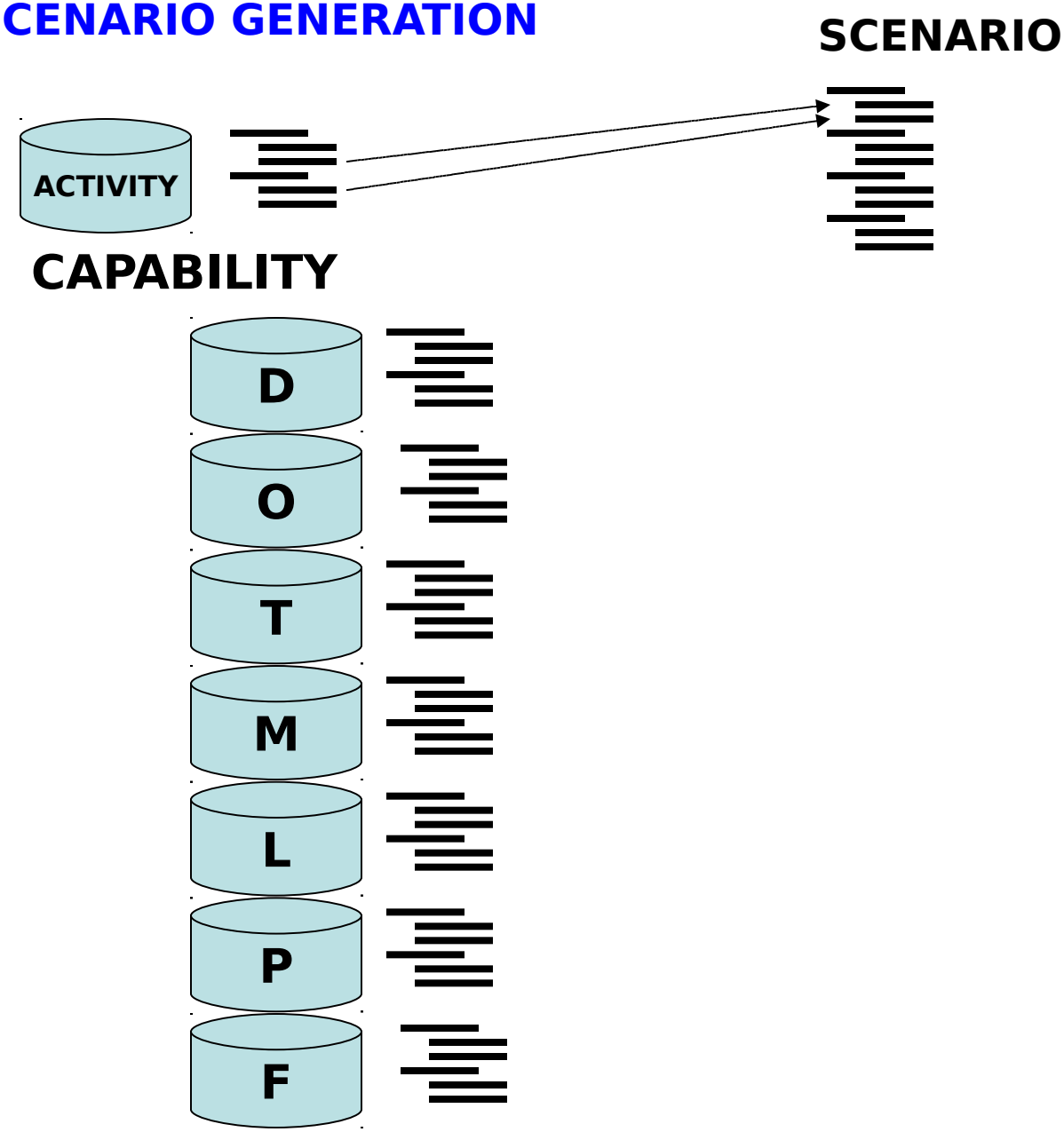
DESIGN COMPATIBILITY

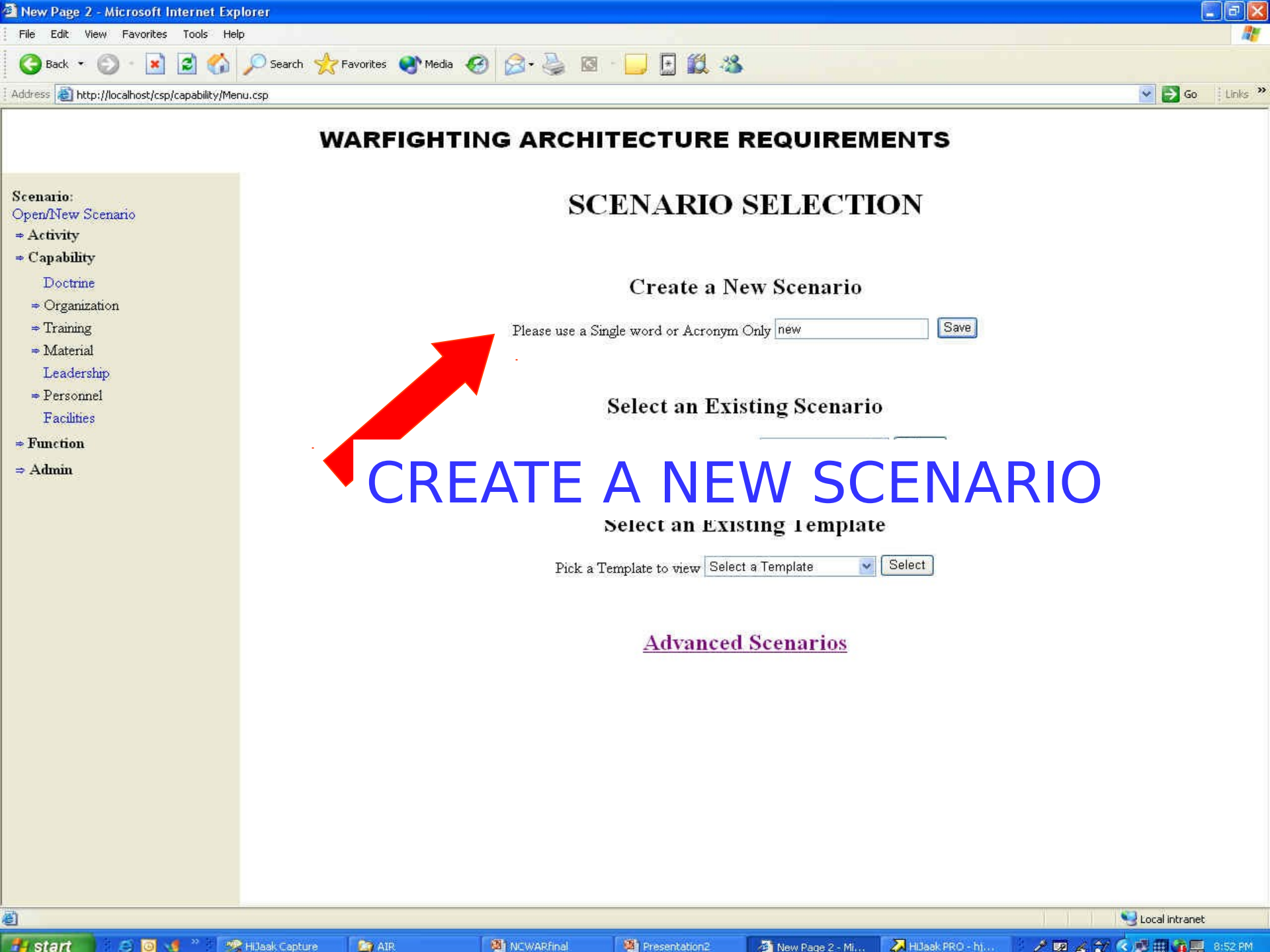
- DoDAF
- CADM
- MIP/C2IEDM (target)

CAPABILITY BASELINE REACHBACK



SCENARIO GENERATION




New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
Open/New Scenario
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
SCENARIO SELECTION
Create a New Scenario
Please use a Single word or Acronym Only
new
Save
Select an Existing Scenario
CREATE A NEW SCENARIO
Select an Existing Template
Pick a Template to view
Select a Template
Select
Advanced Scenarios
Local intranet
start
HiJaak Capture
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
8:52 PM

New Page 2 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://localhost/csp/capability/Menu.csp Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

Scenario:
Open/New Scenario
- Activity
- Capability
  - Doctrine
  - Organization
  - Training
  - Material
  - Leadership
  - Personnel
  - Facilities
- Function
- Admin

SCENARIO SELECTION

SELECT THE SCENARIO

Please use a Single word or Acronym Only [ ] Save

Select an Existing Scenario

Pick a Scenario with which to work [new] Select

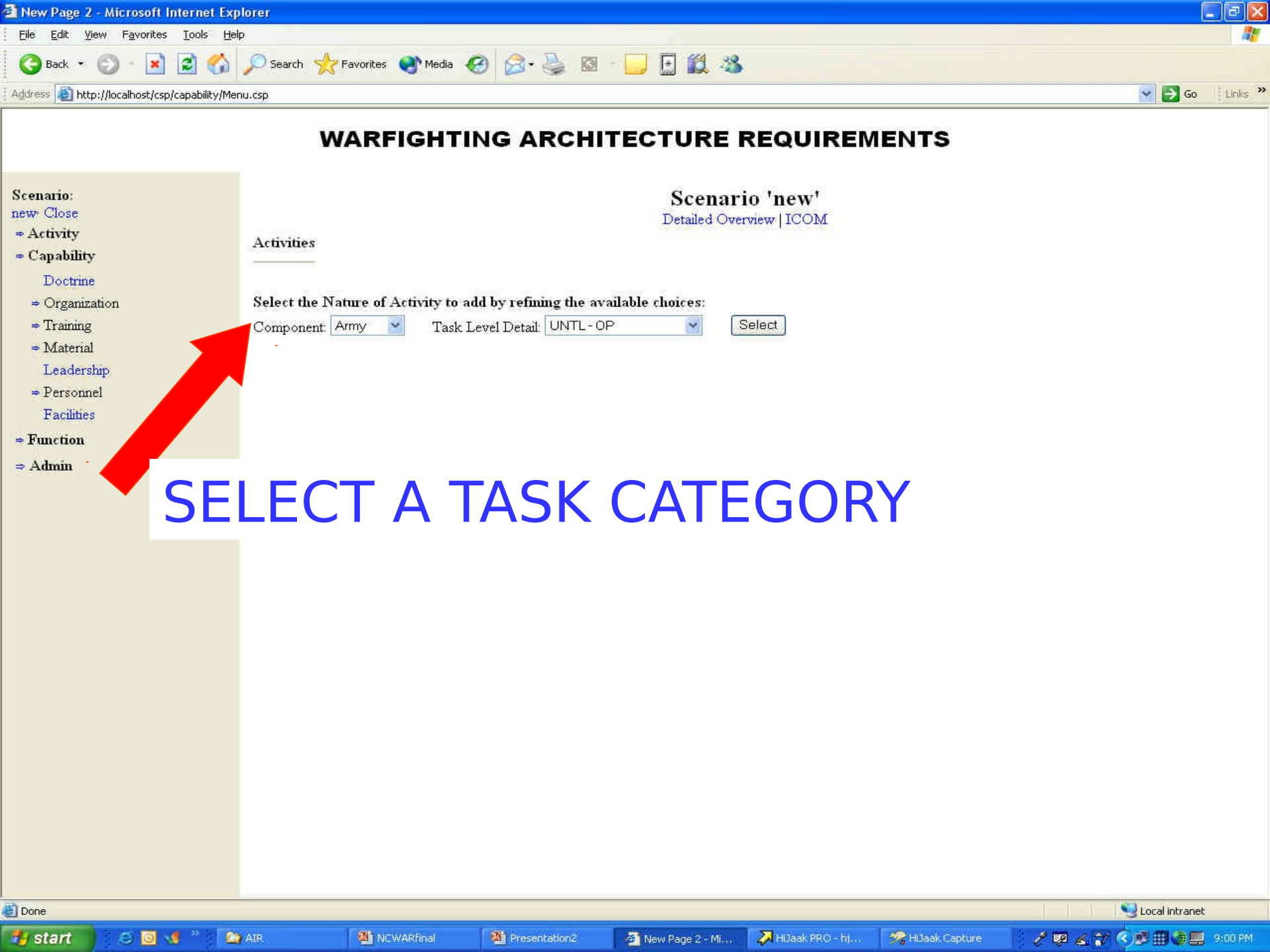
Select an Existing Template

Pick a Template to view [Select a Template] Select

Advanced Scenarios

Local intranet

start AIR NCWARfinal Presentation2 New Page 2 - Mi... HiJaak PRO HiJaak Capture 8:58 PM


New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
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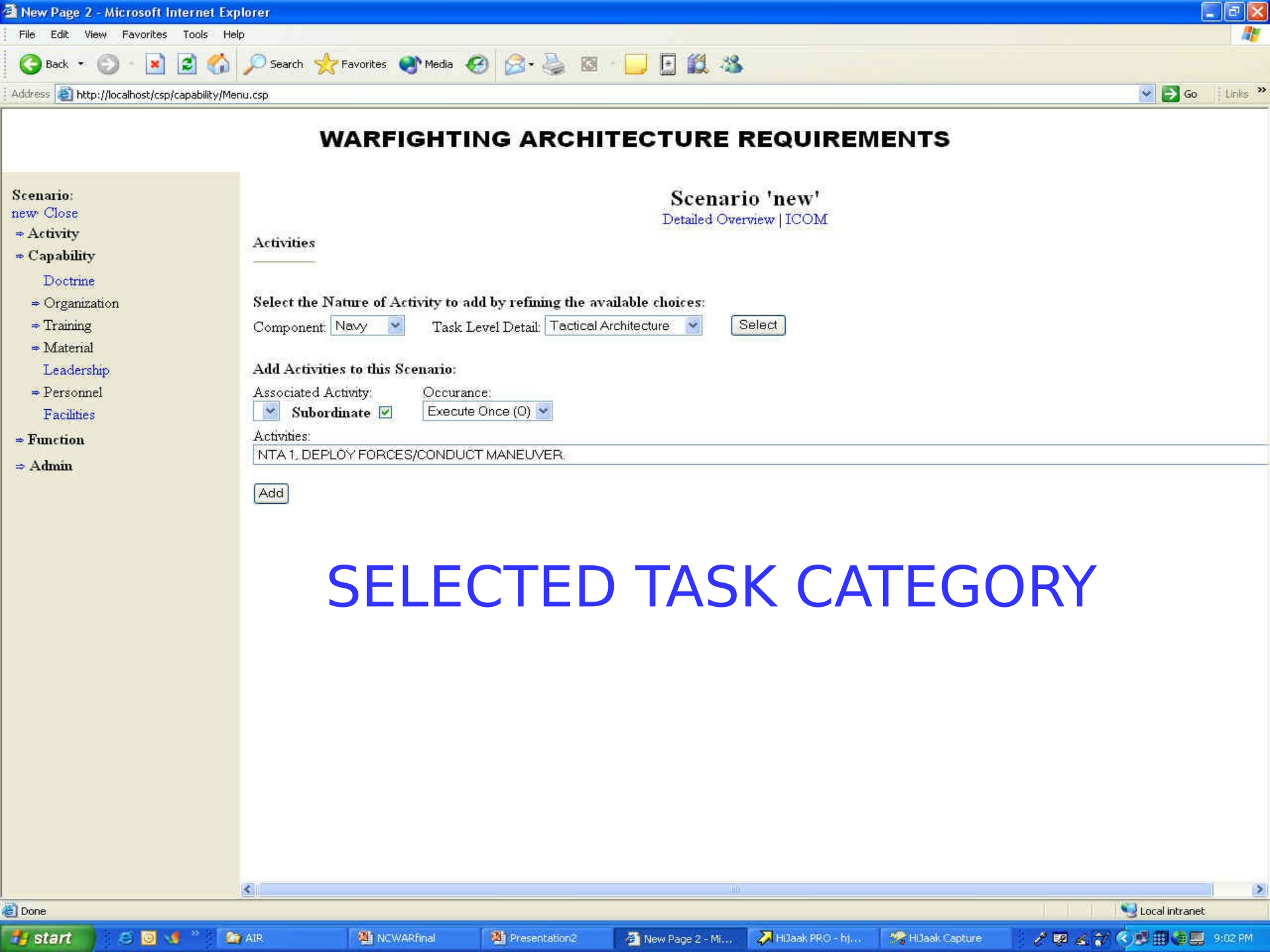
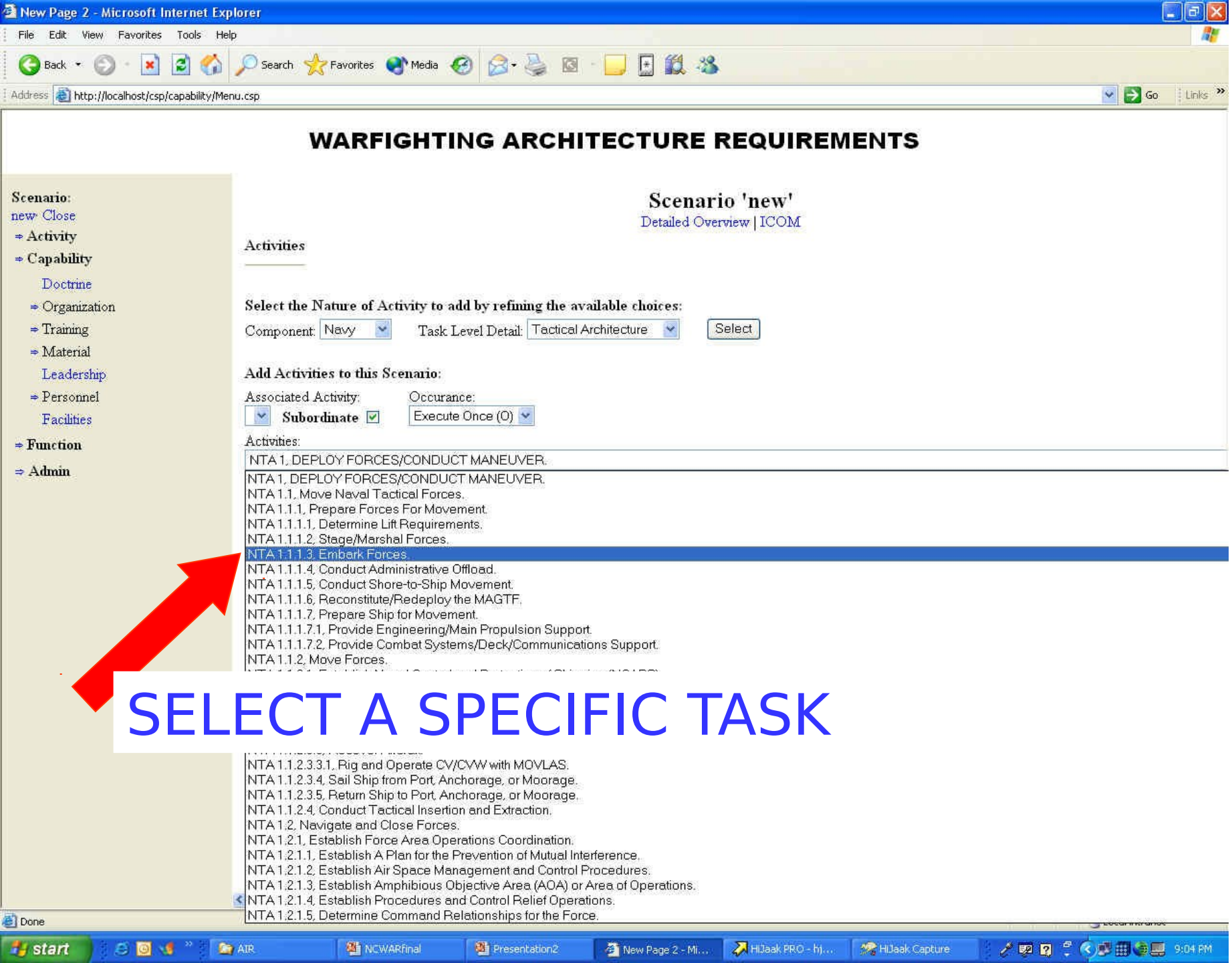
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
Scenario 'new'
Detailed Overview | ICOM
Activities
Select the Nature of Activity to add by refining the available choices:
Component: Army
Task Level Detail: UNTL - OP
Select
SELECT A TASK CATEGORY
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:00 PM


New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
Scenario 'new'
Detailed Overview | ICOM
Activities
Select the Nature of Activity to add by refining the available choices:
Component: Navy
Task Level Detail: Tactical Architecture
Select
Add Activities to this Scenario:
Associated Activity:
Subordinate
Occurance:
Execute Once (0)
Activities:
NTA 1, DEPLOY FORCES/CONDUCT MANEUVER.
Add
SELECTED TASK CATEGORY
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:02 PM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File Edit View Favorites Tools Help
Back Search Favorites Media
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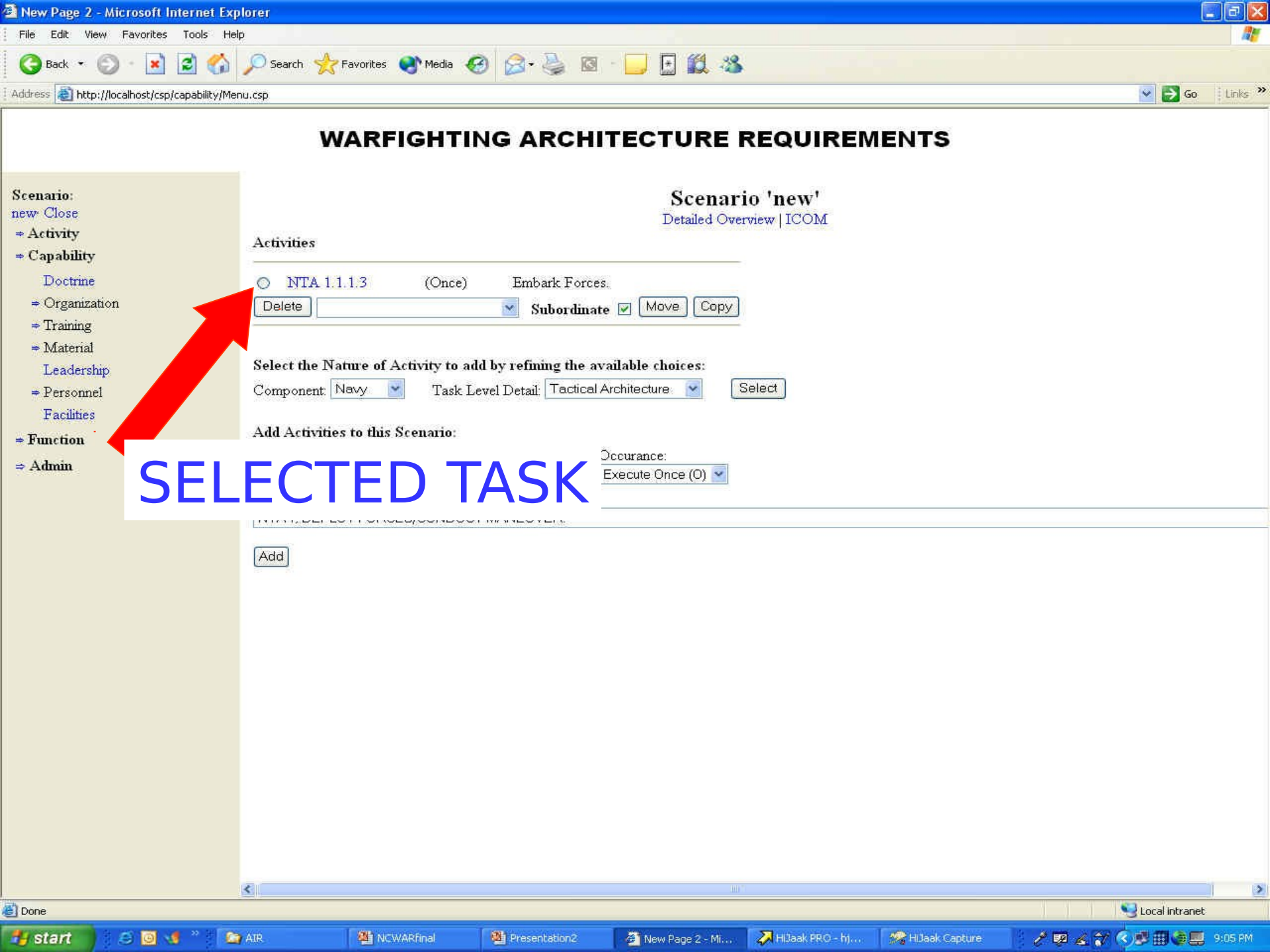
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
Scenario 'new'
Detailed Overview | ICOM
Activities
Select the Nature of Activity to add by refining the available choices:
Component: Navy
Task Level Detail: Tactical Architecture
Select
Add Activities to this Scenario:
Associated Activity:
Subordinate
Occurance:
Execute Once (0)
Activities:
NTA 1, DEPLOY FORCES/CONDUCT MANEUVER.
NTA 1, DEPLOY FORCES/CONDUCT MANEUVER.
NTA 1.1, Move Naval Tactical Forces.
NTA 1.1.1, Prepare Forces For Movement.
NTA 1.1.1.1, Determine Lift Requirements.
NTA 1.1.1.2, Stage/Marshal Forces.
NTA 1.1.1.3, Embark Forces.
NTA 1.1.1.4, Conduct Administrative Offload.
NTA 1.1.1.5, Conduct Shore-to-Ship Movement.
NTA 1.1.1.6, Reconstitute/Redeploy the MAGTF.
NTA 1.1.1.7, Prepare Ship for Movement.
NTA 1.1.1.7.1, Provide Engineering/Main Propulsion Support.
NTA 1.1.1.7.2, Provide Combat Systems/Deck/Communications Support.
NTA 1.1.2, Move Forces.
SELECT A SPECIFIC TASK
NTA 1.1.2.3.3.1, Rig and Operate CV/CVW with MOVLAS.
NTA 1.1.2.3.4, Sail Ship from Port, Anchorage, or Moorage.
NTA 1.1.2.3.5, Return Ship to Port, Anchorage, or Moorage.
NTA 1.1.2.4, Conduct Tactical Insertion and Extraction.
NTA 1.2, Navigate and Close Forces.
NTA 1.2.1, Establish Force Area Operations Coordination.
NTA 1.2.1.1, Establish A Plan for the Prevention of Mutual Interference.
NTA 1.2.1.2, Establish Air Space Management and Control Procedures.
NTA 1.2.1.3, Establish Amphibious Objective Area (AOA) or Area of Operations.
NTA 1.2.1.4, Establish Procedures and Control Relief Operations.
NTA 1.2.1.5, Determine Command Relationships for the Force.
Done
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:04 PM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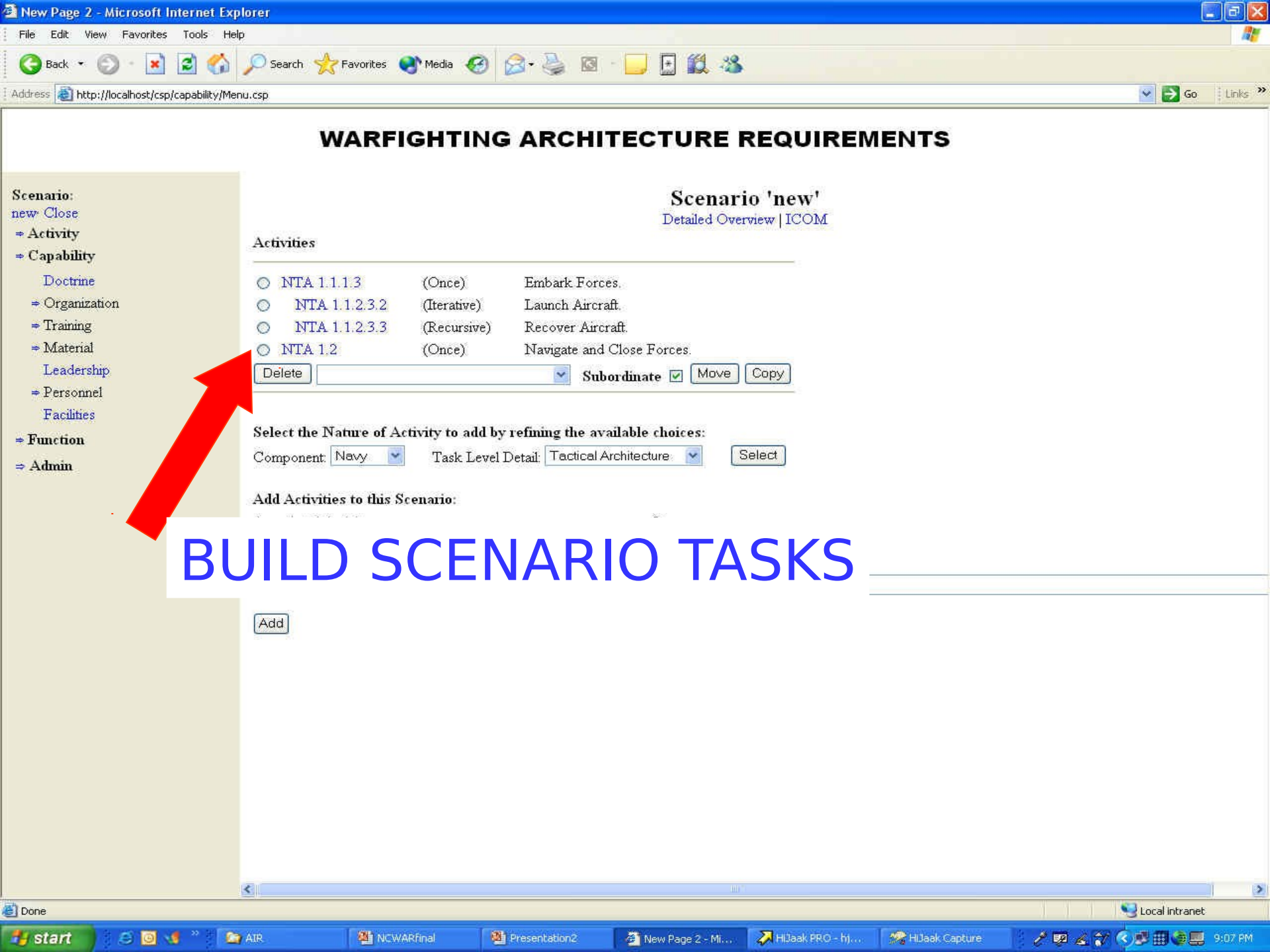
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
Scenario 'new'
Detailed Overview | ICOM
Activities
NTA 1.1.1.3 (Once) Embark Forces.
Delete
Subordinate
Move
Copy
Select the Nature of Activity to add by refining the available choices:
Component: Navy
Task Level Detail: Tactical Architecture
Select
Add Activities to this Scenario:
Occurance:
Execute Once (O)
SELECTED TASK
Add
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:05 PM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File Edit View Favorites Tools Help
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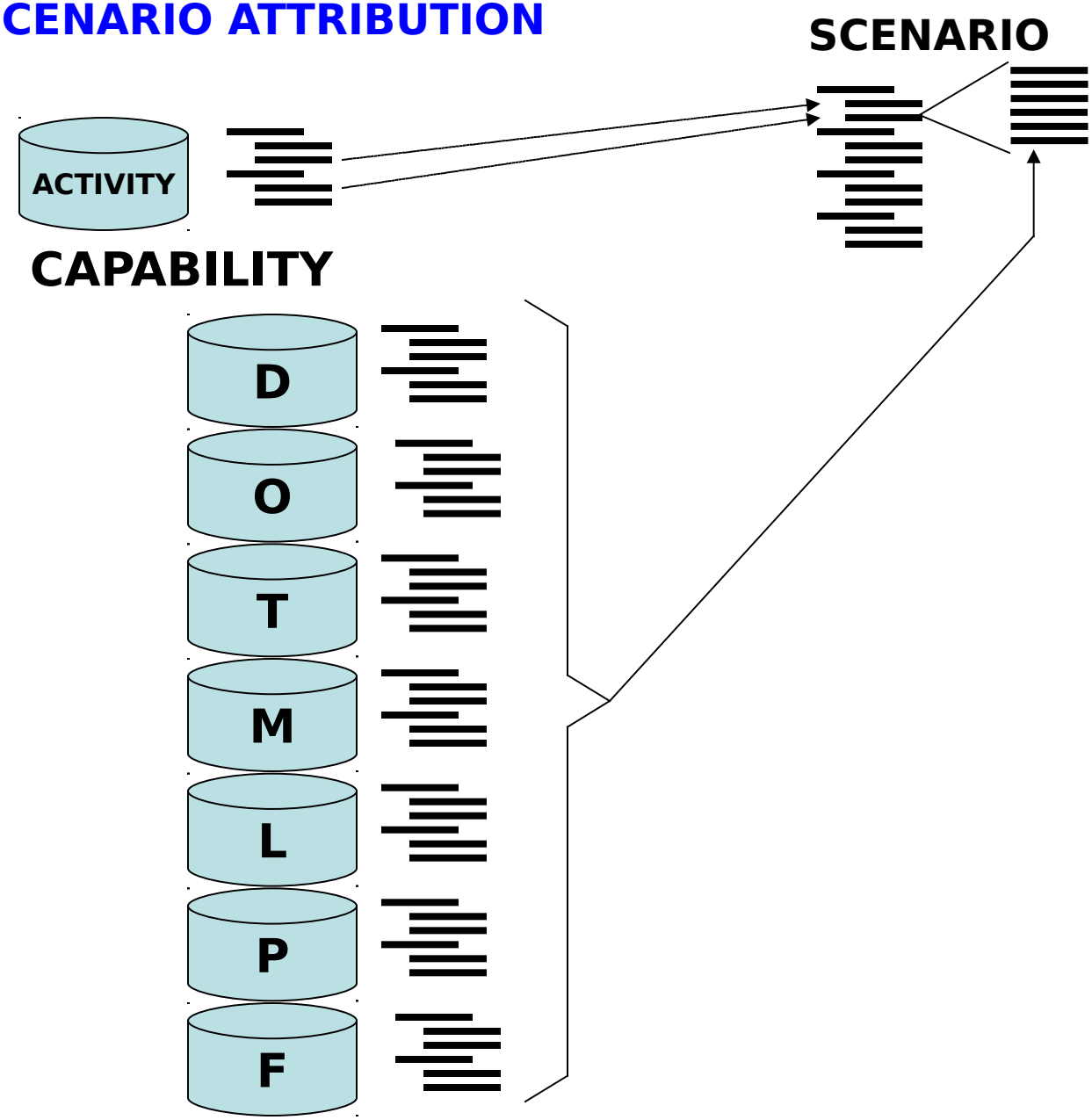
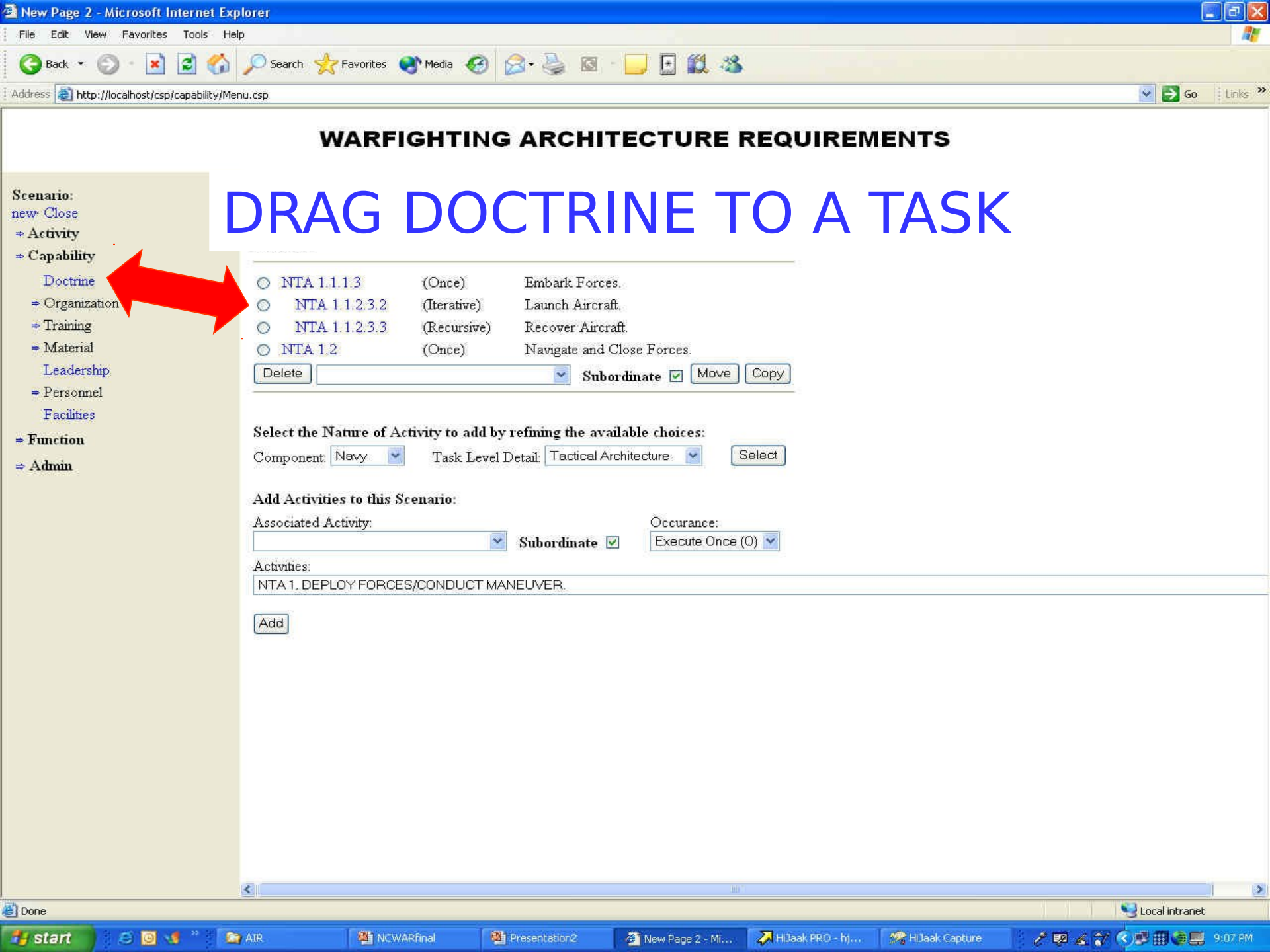
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
Scenario 'new'
Detailed Overview | ICOM
Activities
NTA 1.1.1.3 (Once) Embark Forces.
NTA 1.1.2.3.2 (Iterative) Launch Aircraft.
NTA 1.1.2.3.3 (Recursive) Recover Aircraft.
NTA 1.2 (Once) Navigate and Close Forces.
Delete
Subordinate
Move
Copy
Select the Nature of Activity to add by refining the available choices:
Component: Navy
Task Level Detail: Tactical Architecture
Select
Add Activities to this Scenario:
BUILD SCENARIO TASKS
Add
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:07 PM

SCENARIO ATTRIBUTION

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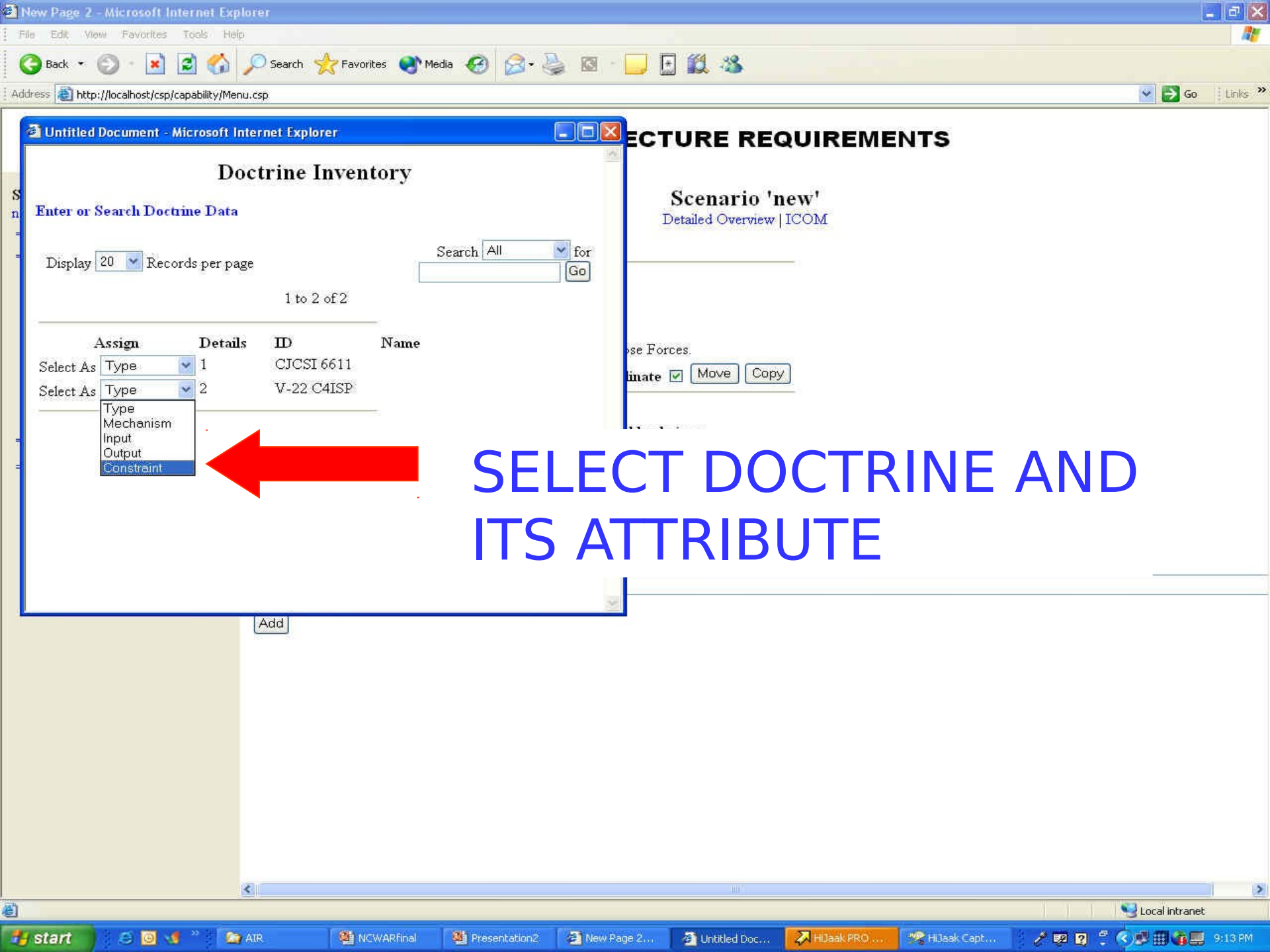
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
DRAG DOCTRINE TO A TASK
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
NTA 1.1.1.3 (Once) Embark Forces.
NTA 1.1.2.3.2 (Iterative) Launch Aircraft.
NTA 1.1.2.3.3 (Recursive) Recover Aircraft.
NTA 1.2 (Once) Navigate and Close Forces.
Delete
Subordinate
Move
Copy
Select the Nature of Activity to add by refining the available choices:
Component: Navy
Task Level Detail: Tactical Architecture
Select
Add Activities to this Scenario:
Associated Activity:
Subordinate
Occurance:
Execute Once (O)
Activities:
NTA 1. DEPLOY FORCES/CONDUCT MANEUVER.
Add
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:07 PM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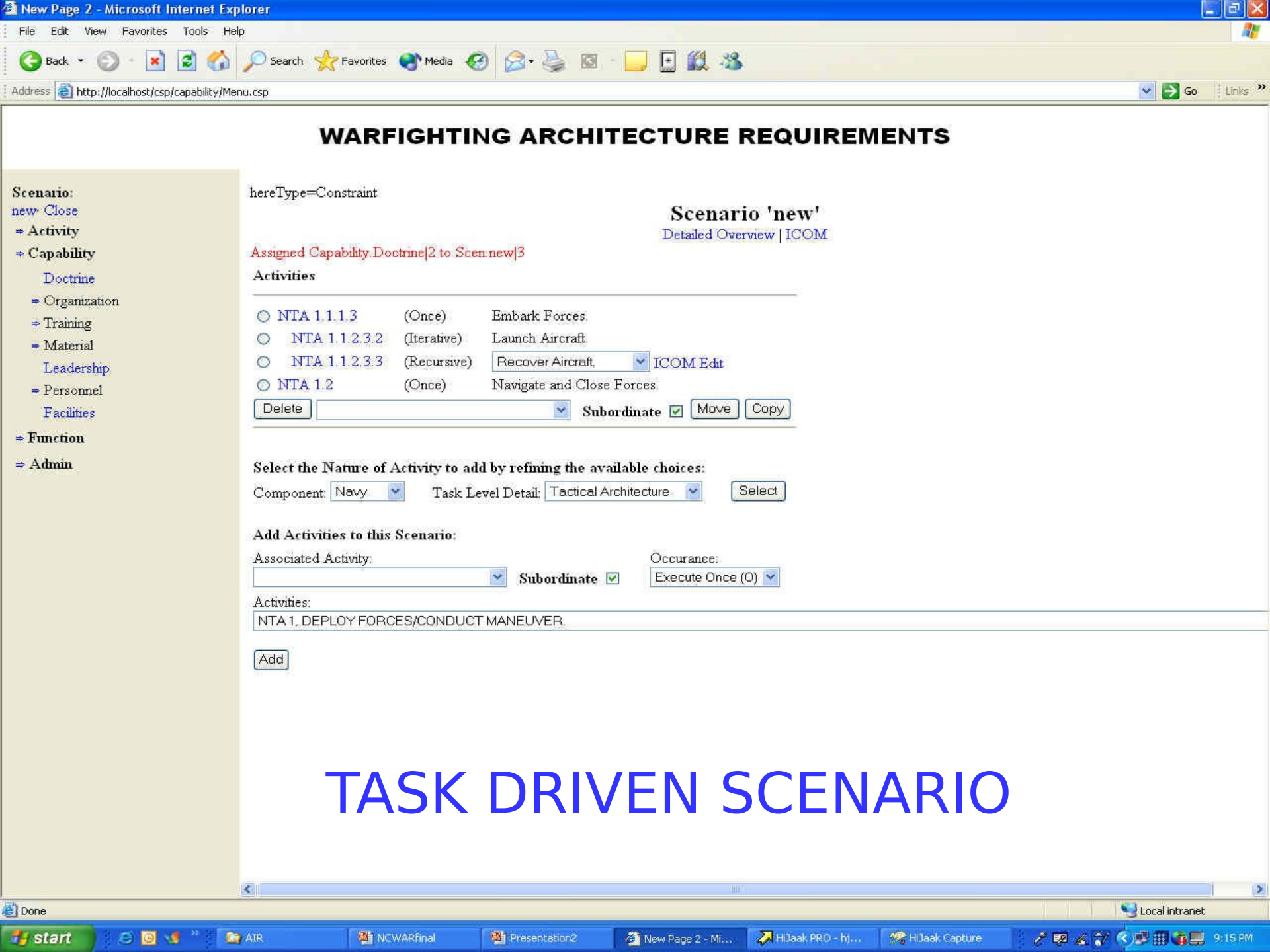
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
Untitled Document - Microsoft Internet Explorer
Doctrine Inventory
Enter or Search Doctrine Data
Display 20 Records per page
Search All for
Go
1 to 2 of 2
Assign Details ID Name
Select As Type 1 CJCSI 6611
Select As Type 2 V-22 C4ISP
Type
Mechanism
Input
Output
Constraint
ECTURE REQUIREMENTS
Scenario 'new'
Detailed Overview | ICOM
se Forces.
inate
Move
Copy
Add
SELECT DOCTRINE AND ITS ATTRIBUTE
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2...
Untitled Doc...
HiJaak PRO ...
HiJaak Capt...
9:13 PM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File Edit View Favorites Tools Help
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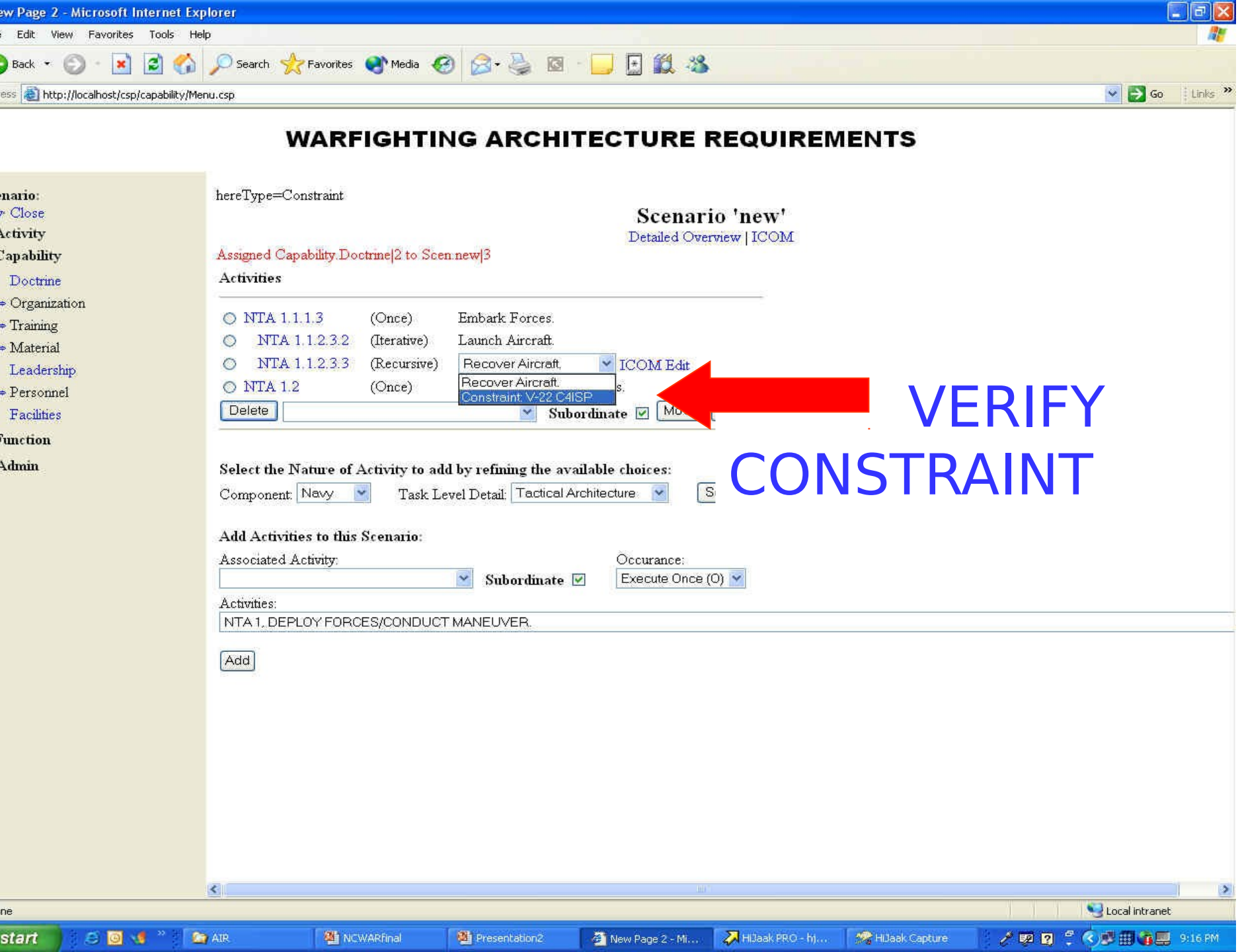
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
hereType=Constraint
Scenario 'new'
Detailed Overview | ICOM
Assigned Capability Doctrine|2 to Scen new|3
Activities
NTA 1.1.1.3 (Once) Embark Forces.
NTA 1.1.2.3.2 (Iterative) Launch Aircraft.
NTA 1.1.2.3.3 (Recursive) Recover Aircraft. ICOM Edit
NTA 1.2 (Once) Navigate and Close Forces.
Delete Subordinate Move Copy
Select the Nature of Activity to add by refining the available choices:
Component: Navy Task Level Detail: Tactical Architecture Select
Add Activities to this Scenario:
Associated Activity:
Subordinate
Occurance:
Execute Once (O)
Activities:
NTA 1. DEPLOY FORCES/CONDUCT MANEUVER.
Add
TASK DRIVEN SCENARIO
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:15 PM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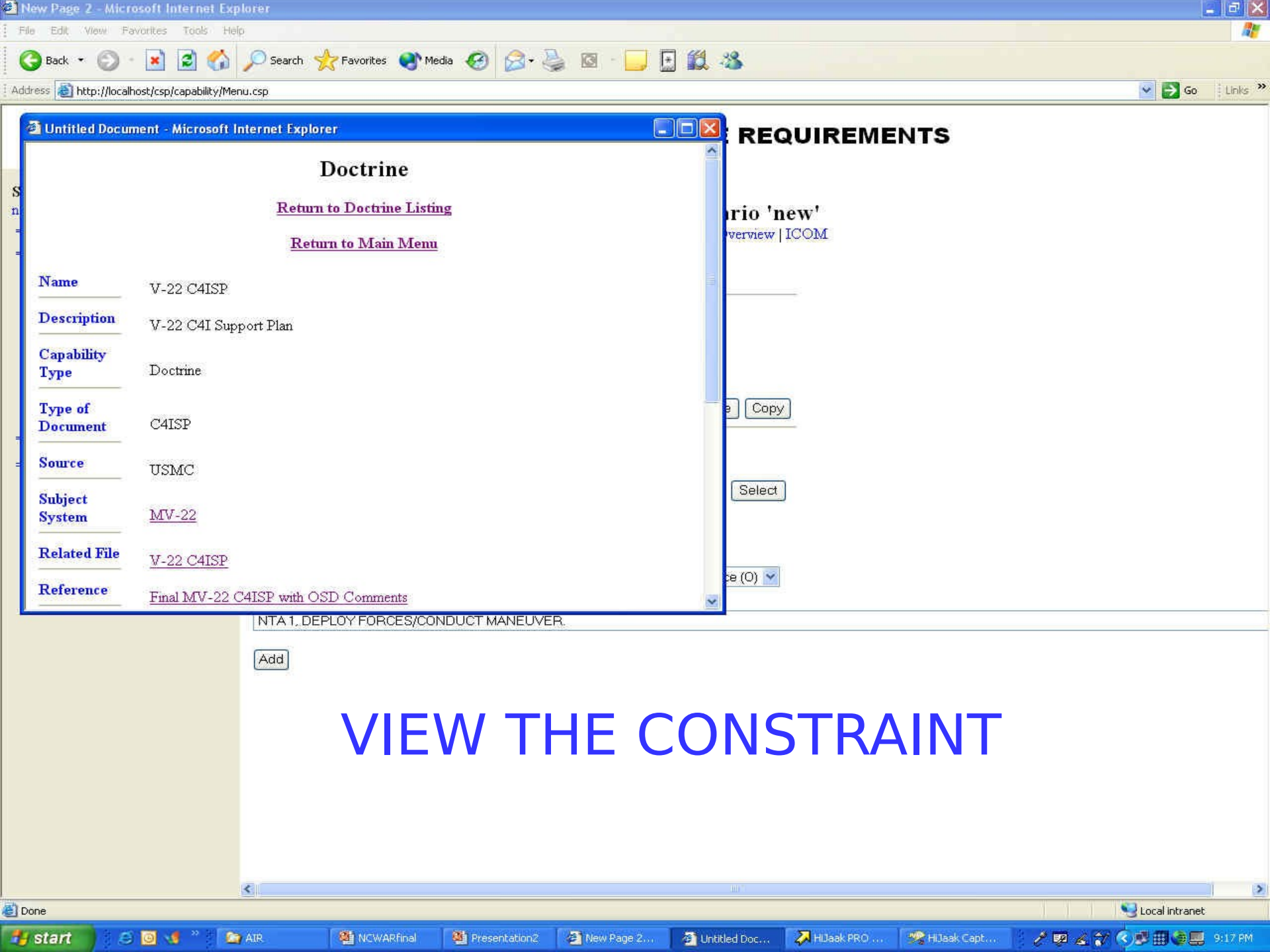
http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
enario:
Close
Activity
Capability
Doctrine
Organization
Training
Material
Leadership
Personnel
Facilities
Function
Admin
hereType=Constraint
Scenario 'new'
Detailed Overview | ICOM
Assigned Capability.Doctrine|2 to Scen.new|3
Activities
NTA 1.1.1.3 (Once) Embark Forces.
NTA 1.1.2.3.2 (Iterative) Launch Aircraft.
NTA 1.1.2.3.3 (Recursive) Recover Aircraft. ICOM Edit
NTA 1.2 (Once)
Recover Aircraft.
Constraint: V-22 C4ISP
Delete
Subordinate
Select the Nature of Activity to add by refining the available choices:
Component: Navy
Task Level Detail: Tactical Architecture
Add Activities to this Scenario:
Associated Activity:
Subordinate
Occurance:
Execute Once (0)
Activities:
NTA 1. DEPLOY FORCES/CONDUCT MANEUVER.
Add
VERIFY
CONSTRAINT
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - Mi...
HiJaak PRO - hj...
HiJaak Capture
9:16 PM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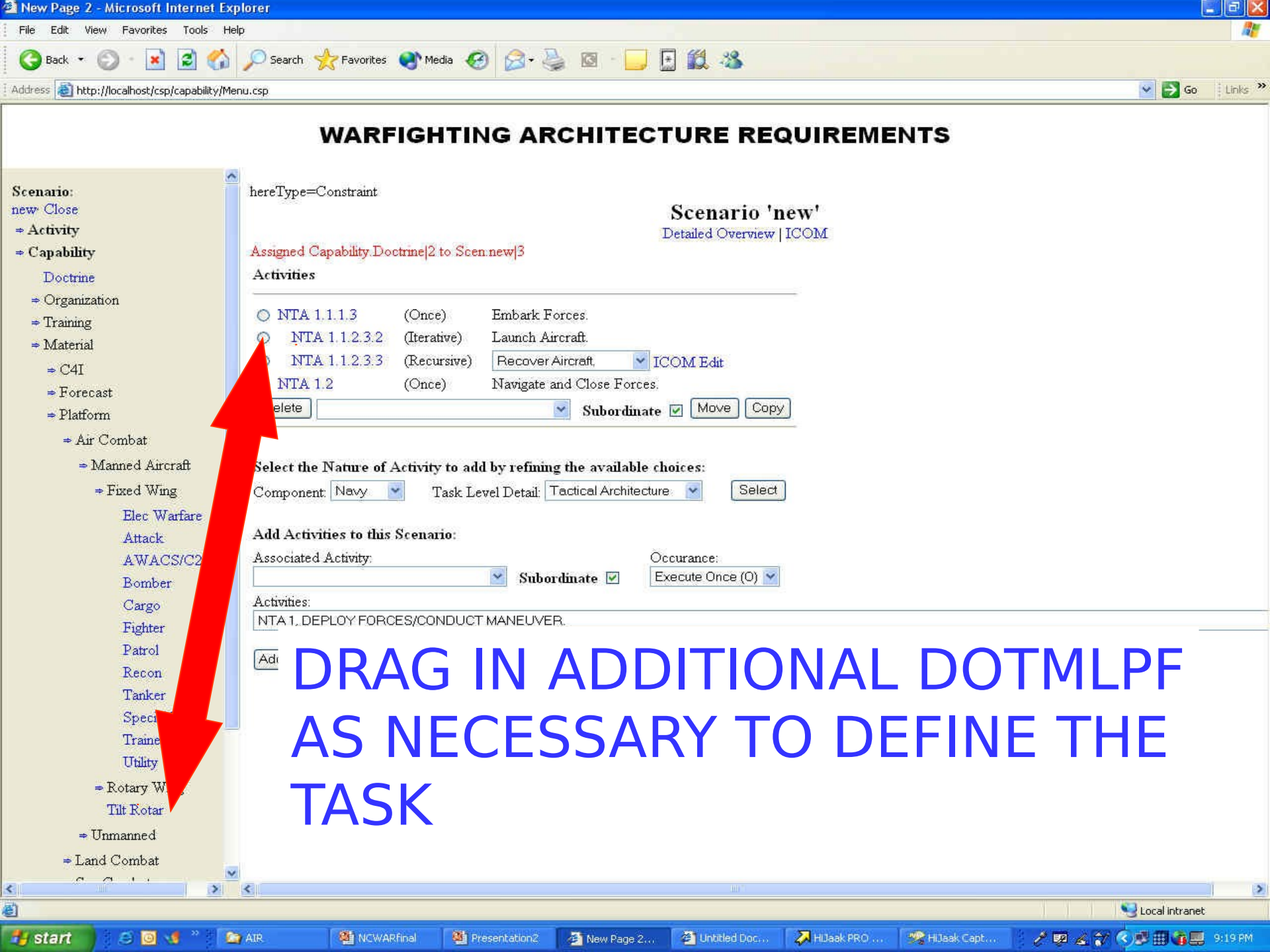
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
Untitled Document - Microsoft Internet Explorer
Doctrine
Return to Doctrine Listing
Return to Main Menu
Name
V-22 C4ISP
Description
V-22 C4I Support Plan
Capability Type
Doctrine
Type of Document
C4ISP
Source
USMC
Subject System
MV-22
Related File
V-22 C4ISP
Reference
Final MV-22 C4ISP with OSD Comments
REQUIREMENTS
rio 'new'
verview | ICOM
Copy
Select
ce (0)
NTA 1. DEPLOY FORCES/CONDUCT MANEUVER.
Add
VIEW THE CONSTRAINT
Done
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2...
Untitled Doc...
HiJaak PRO ...
HiJaak Capt...
9:17 PM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File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
Scenario:
new Close
Activity
Capability
Doctrine
Organization
Training
Material
C4I
Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Utility
Tilt Rotar
Unmanned
Land Combat
hereType=Constraint
Scenario 'new'
Detailed Overview | ICOM
Assigned Capability.Doctrine|2 to Scen:new|3
Activities
NTA 1.1.1.3 (Once) Embark Forces.
NTA 1.1.2.3.2 (Iterative) Launch Aircraft.
NTA 1.1.2.3.3 (Recursive) Recover Aircraft. ICOM Edit
NTA 1.2 (Once) Navigate and Close Forces.
Subordinate Move Copy
Select the Nature of Activity to add by refining the available choices:
Component: Navy Task Level Detail: Tactical Architecture Select
Add Activities to this Scenario:
Associated Activity:
Subordinate
Occurance:
Execute Once (0)
Activities:
NTA 1. DEPLOY FORCES/CONDUCT MANEUVER.
DRAG IN ADDITIONAL DOTMLPF AS NECESSARY TO DEFINE THE TASK
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2...
Untitled Doc...
HiJaak PRO ...
HiJaak Capt...
9:19 PM

New Page 2 - Microsoft Internet Explorer

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Address http://localhost/csp/capability/Menu.csp Go Links

WARFIGHTING ARCHITECTURE REQUIREMENTS

enario:
w Close
Activity
Capability
Doctrine
Organization
Training
Material
C4I
Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Utility
Rotary Wing
Tilt Rotar
Unmanned
Land Combat

Scenario 'new'

Detailed Overview | ICOM

Activities

NTA 1.1.1.3	(Once)	Embark Forces.	
NTA 1.1.2.3.2	(Iterative)	Launch Aircraft.	ICOM Edit
NTA 1.1.2.3.3	(Recursive)		
NTA 1.2	(Once)		

Launch Aircraft.
Constraint: V-22 C4ISP
Input: MV-22
Output: MV-22

Delete Subordinate Move

EDIT THE TASK AS POPULATED

Select the Nature of Activity to add by refining the available choices:

Component: Navy Task Level Detail: Tactical Architecture

Add Activities to this Scenario:

Associated Activity: Subordinate Occurance: Execute Once (0)

Activities:

NTA 1, DEPLOY FORCES/CONDUCT MANEUVER.

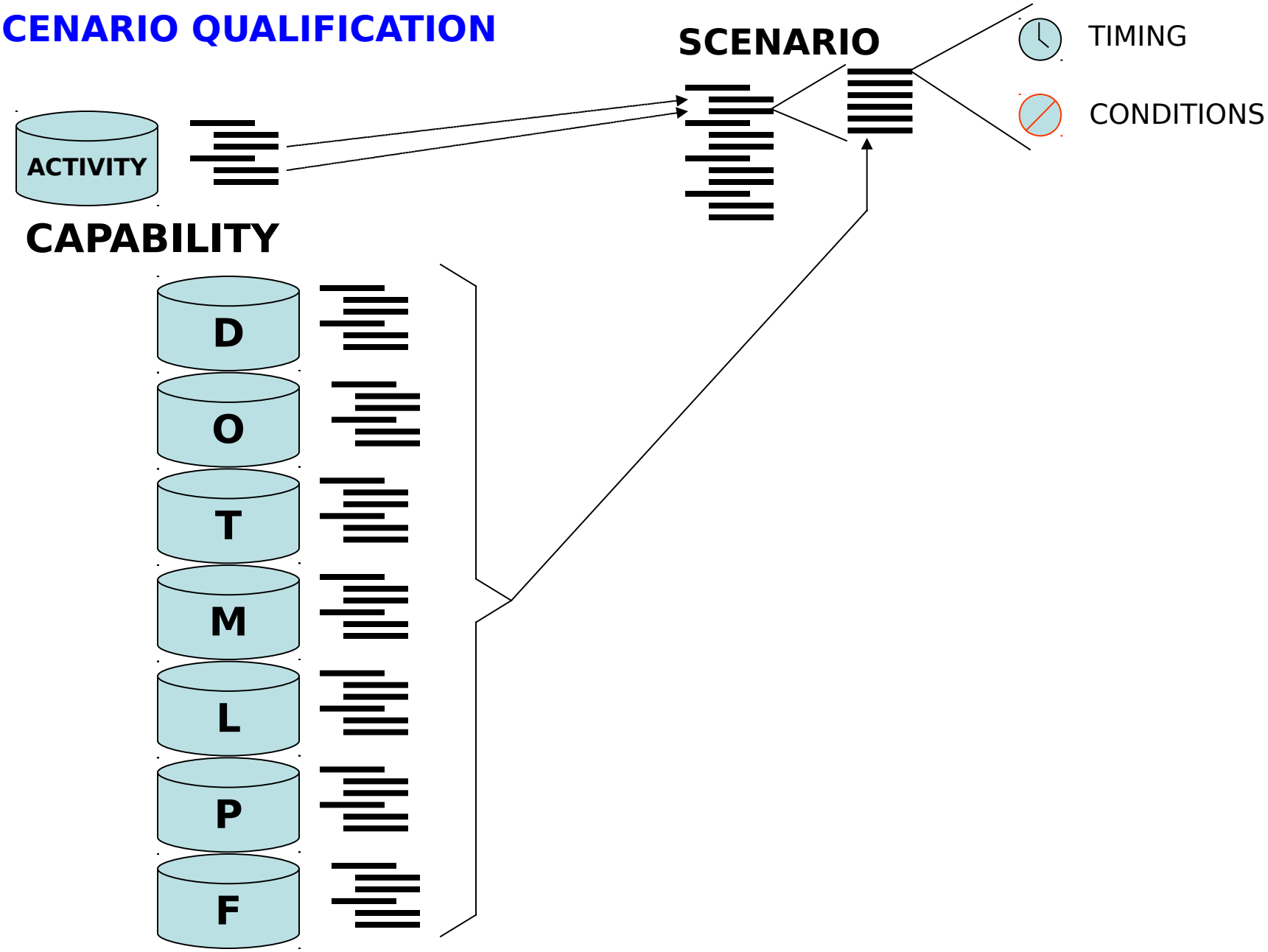
Add

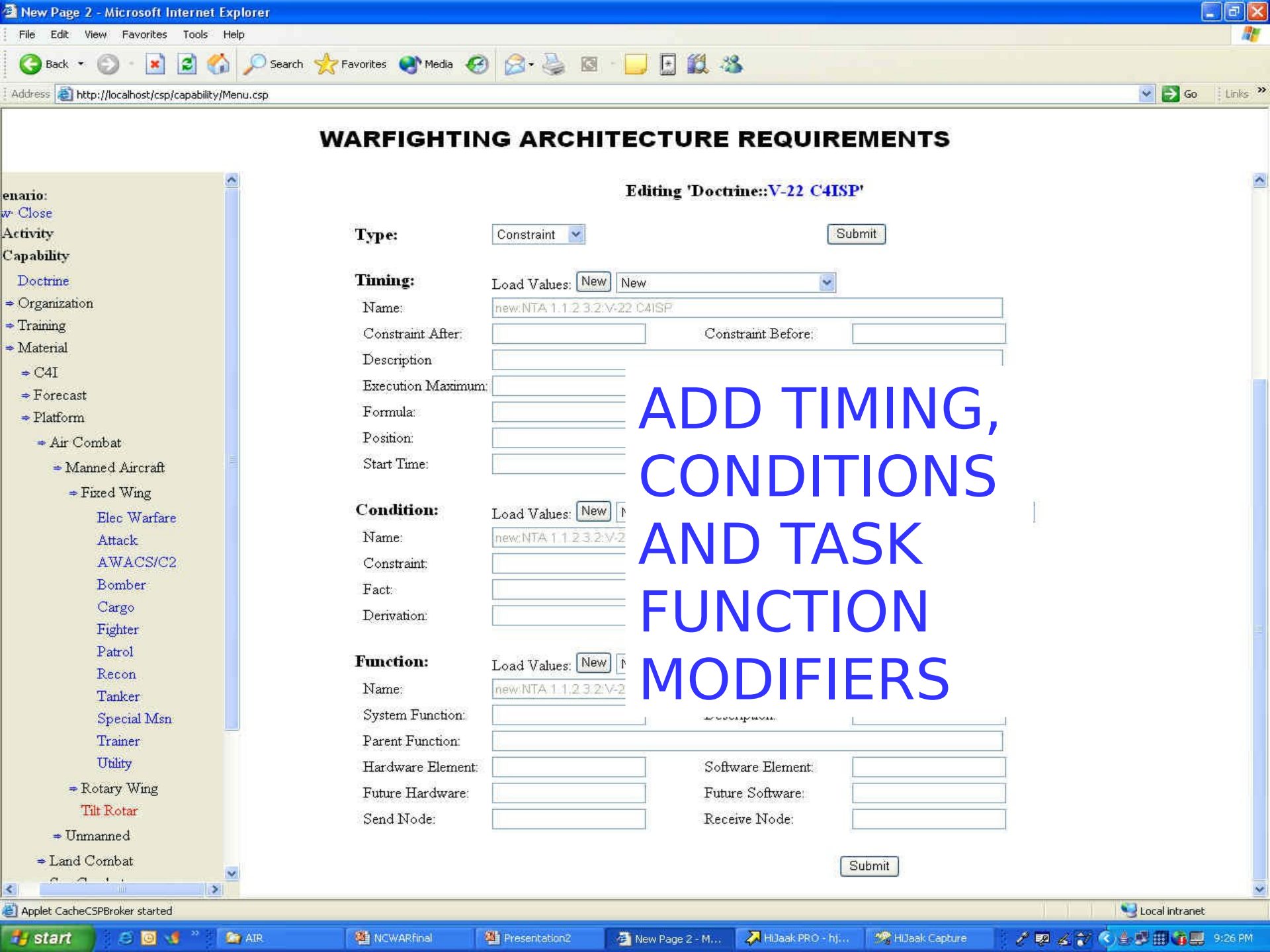
Applet CacheCSPBroker started

Local intranet

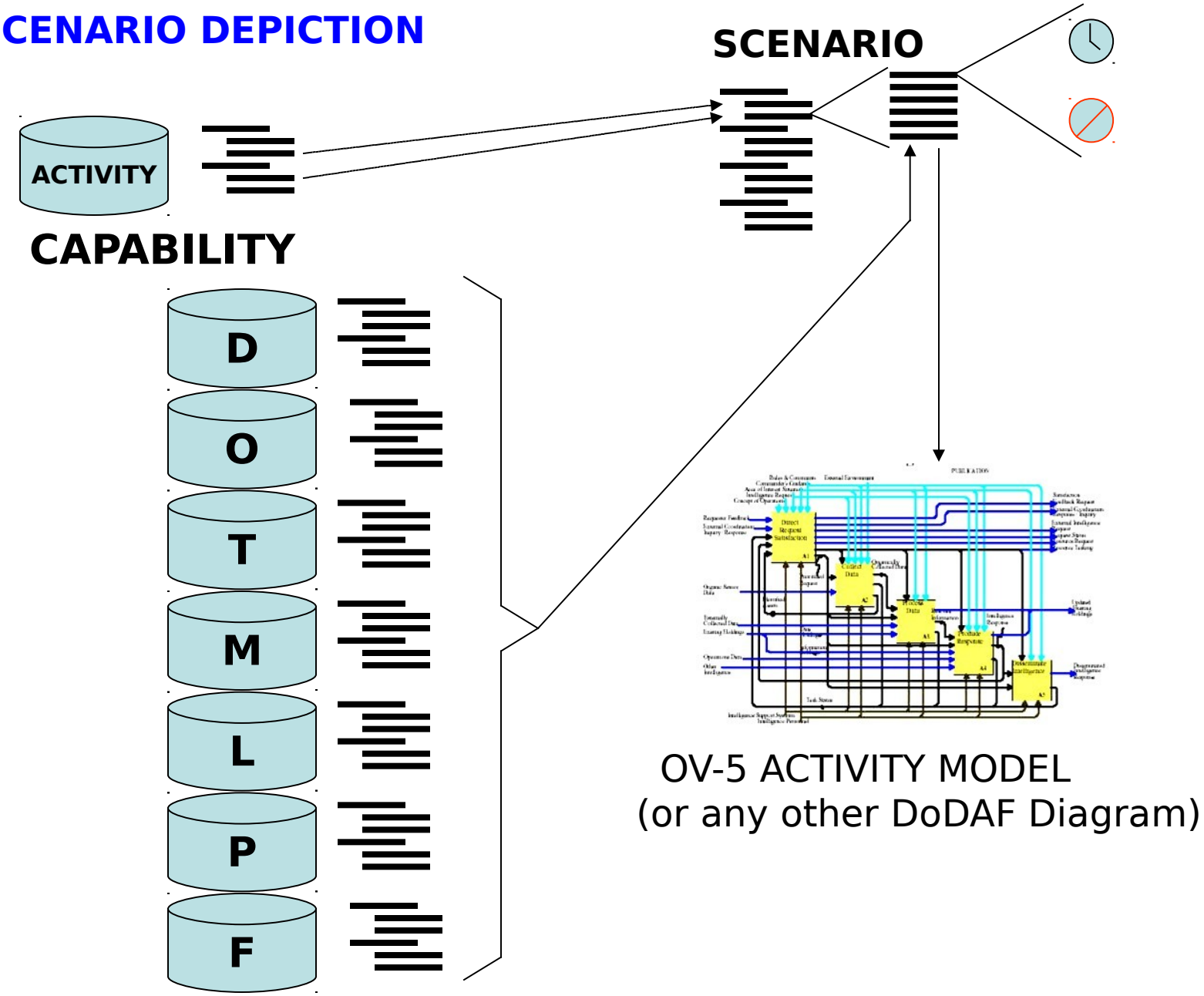
start AIR NCWARfinal Presentation2 New Page 2 - M... HiJaak PRO - hj... HiJaak Capture 9:24 PM

SCENARIO QUALIFICATION

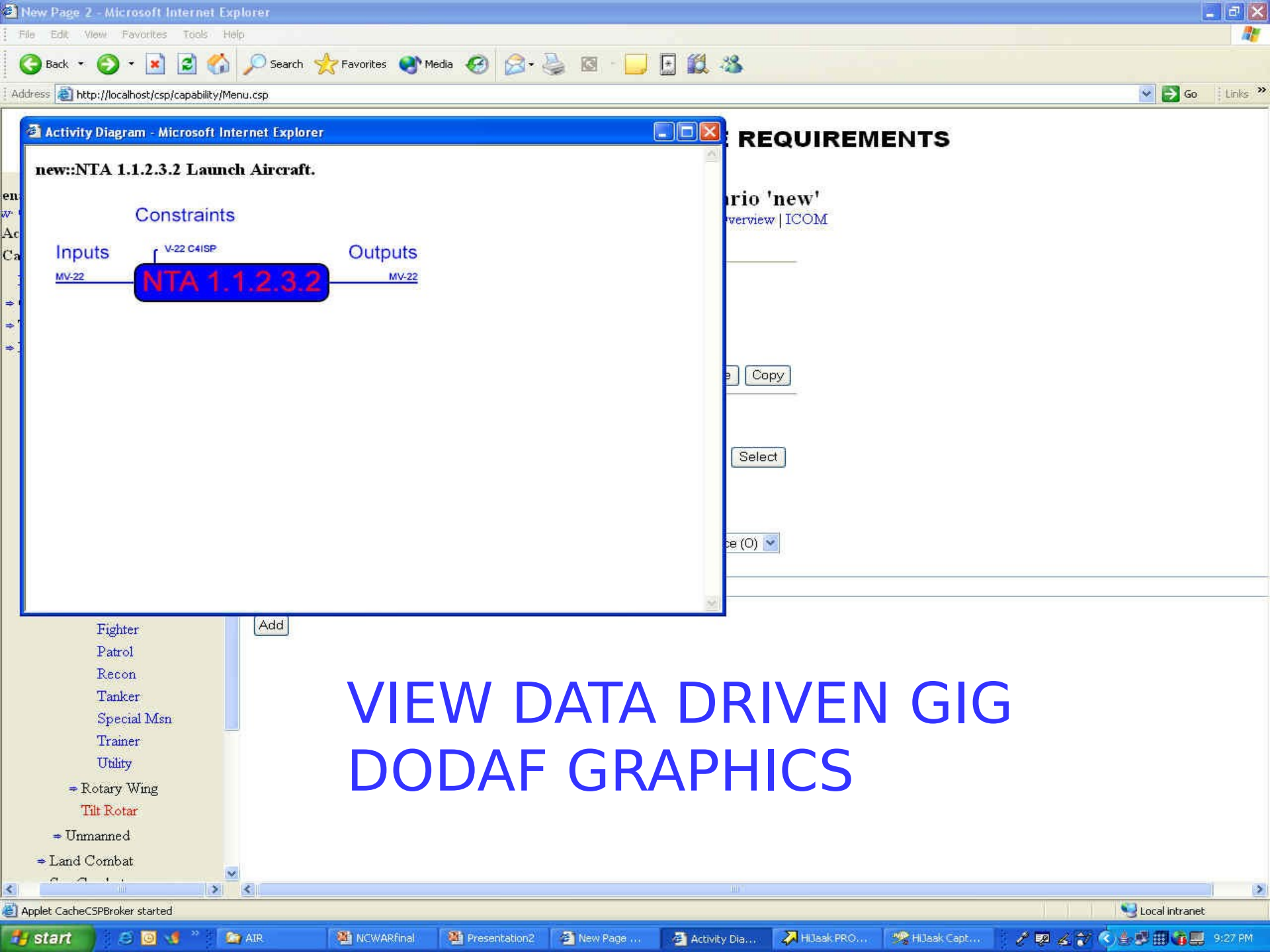



New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://localhost/csp/capability/Menu.csp
Go Links
WARFIGHTING ARCHITECTURE REQUIREMENTS
enario:
w Close
Activity
Capability
Doctrine
Organization
Training
Material
C4I
Forecast
Platform
Air Combat
Manned Aircraft
Fixed Wing
Elec Warfare
Attack
AWACS/C2
Bomber
Cargo
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Utility
Rotary Wing
Tilt Rotar
Unmanned
Land Combat
Editing 'Doctrine::V-22 C4ISP'
Type:
Constraint
Submit
Timing:
Load Values:
New
New
Name:
new:NTA 1.1.2.3.2:V-22 C4ISP
Constraint After:
Constraint Before:
Description
Execution Maximum:
Formula:
Position:
Start Time:
Condition:
Load Values:
New
Name:
new:NTA 1.1.2.3.2:V-2
Constraint:
Fact:
Derivation:
Function:
Load Values:
New
Name:
new:NTA 1.1.2.3.2:V-2
System Function:
Parent Function:
Hardware Element:
Software Element:
Future Hardware:
Future Software:
Send Node:
Receive Node:
Submit
ADD TIMING, CONDITIONS AND TASK FUNCTION MODIFIERS
Applet CacheCSPBroker started
Local intranet
start
AIR
NCWARfinal
Presentation2
New Page 2 - M...
HiJaak PRO - hj...
HiJaak Capture
9:26 PM

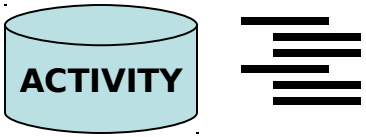
SCENARIO DEPICTION



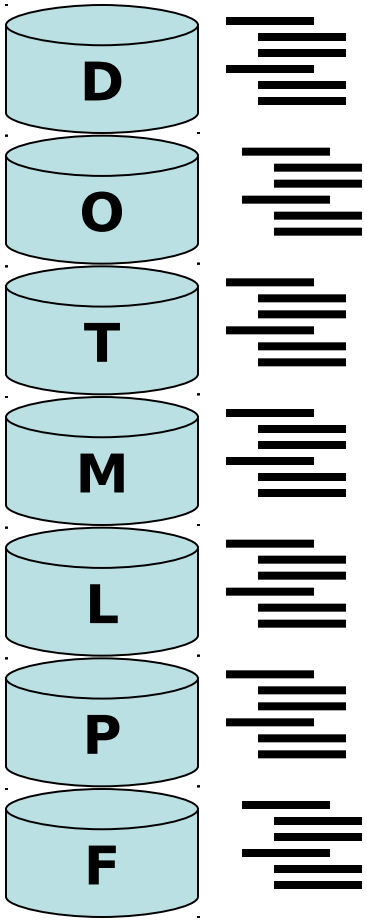
OV-5 ACTIVITY MODEL
(or any other DoDAF Diagram)

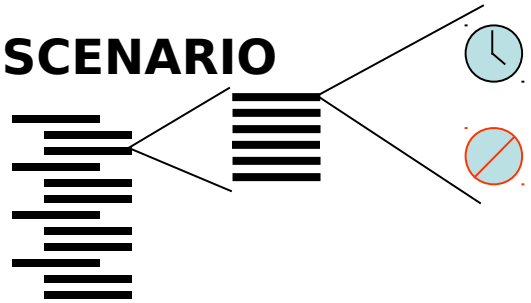

New Page 2 - Microsoft Internet Explorer
Activity Diagram - Microsoft Internet Explorer
new::NTA 1.1.2.3.2 Launch Aircraft.
Constraints
Inputs
V-22 C4ISP
Outputs
MV-22
NTA 1.1.2.3.2
MV-22
REQUIREMENTS
Copy
Select
Add
Fighter
Patrol
Recon
Tanker
Special Msn
Trainer
Utility
Rotary Wing
Tilt Rotar
Unmanned
Land Combat
VIEW DATA DRIVEN GIG DODAF GRAPHICS

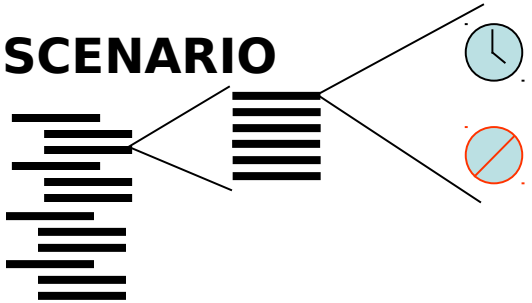
MULTIPLE SCENARIOS



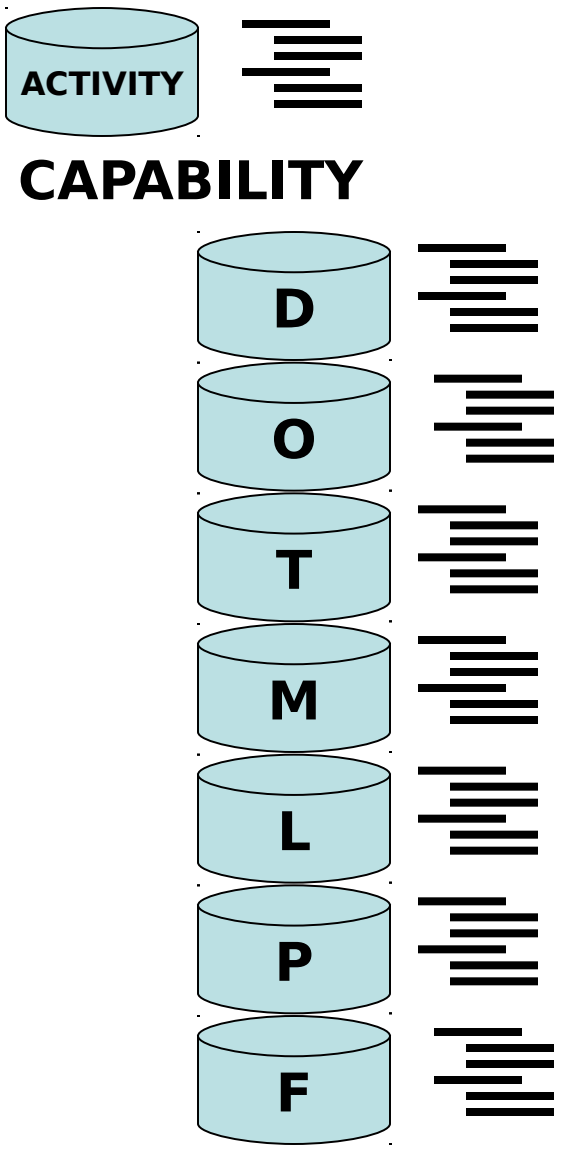
CAPABILITY

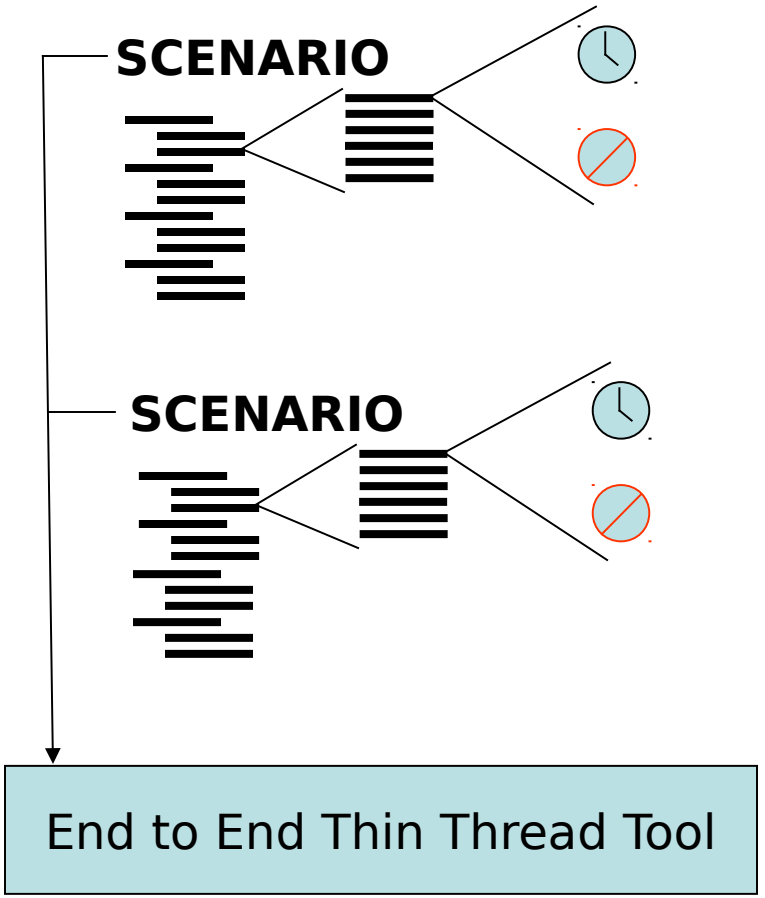




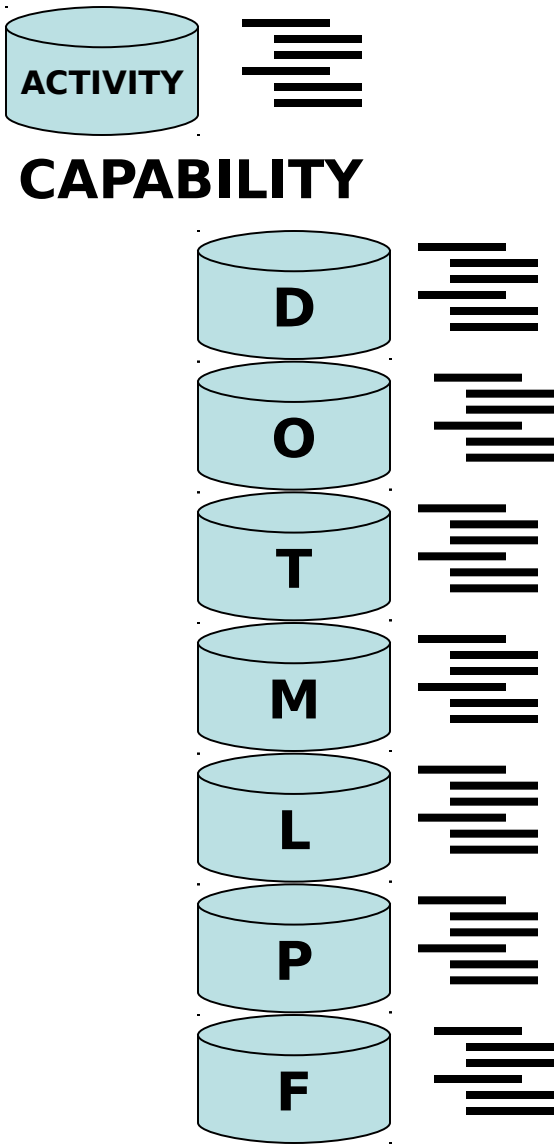


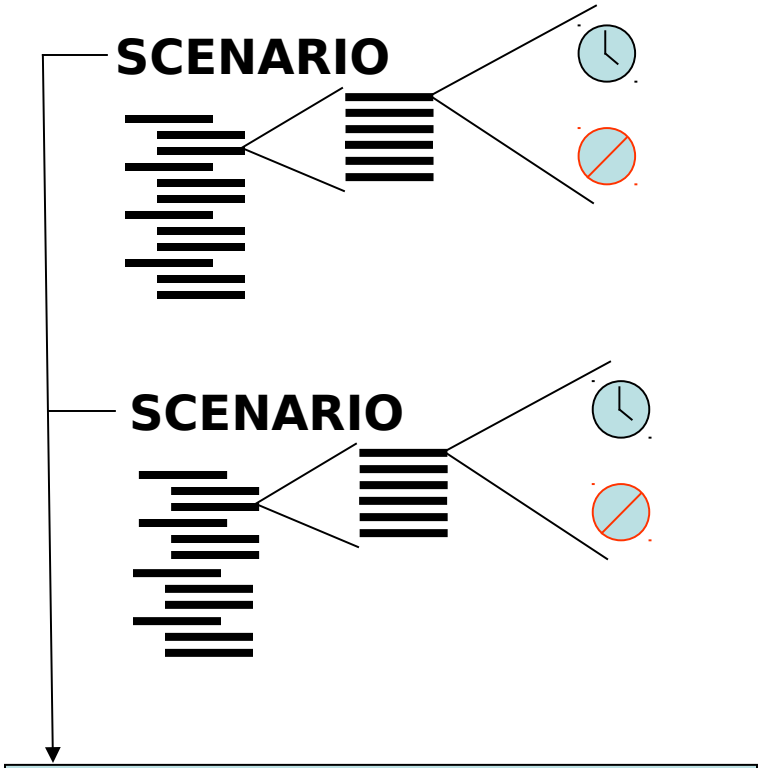
MULTIPLE SCENARIOS





MULTIPLE SCENARIOS

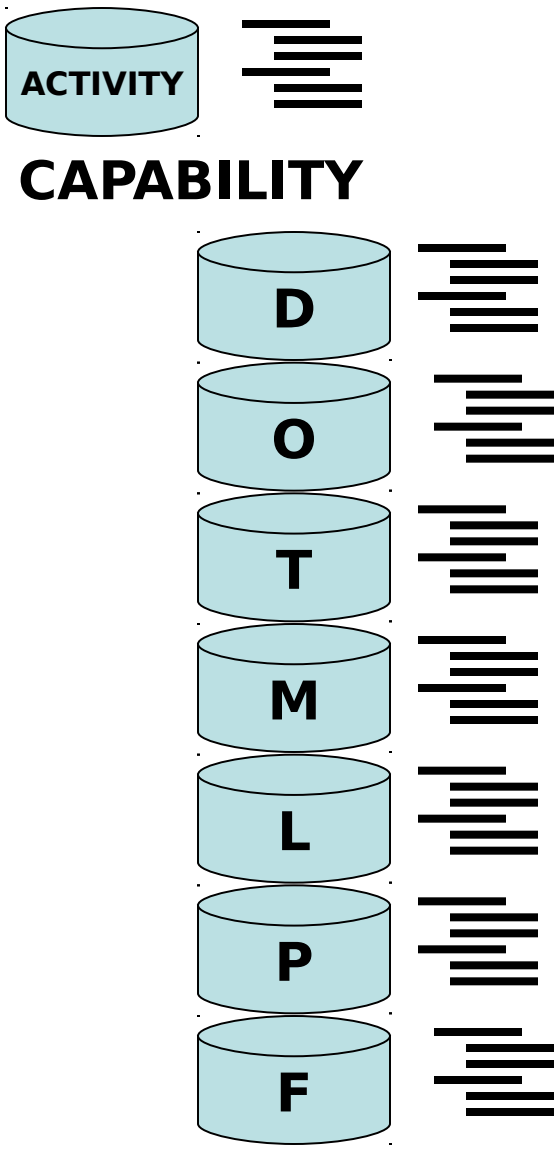


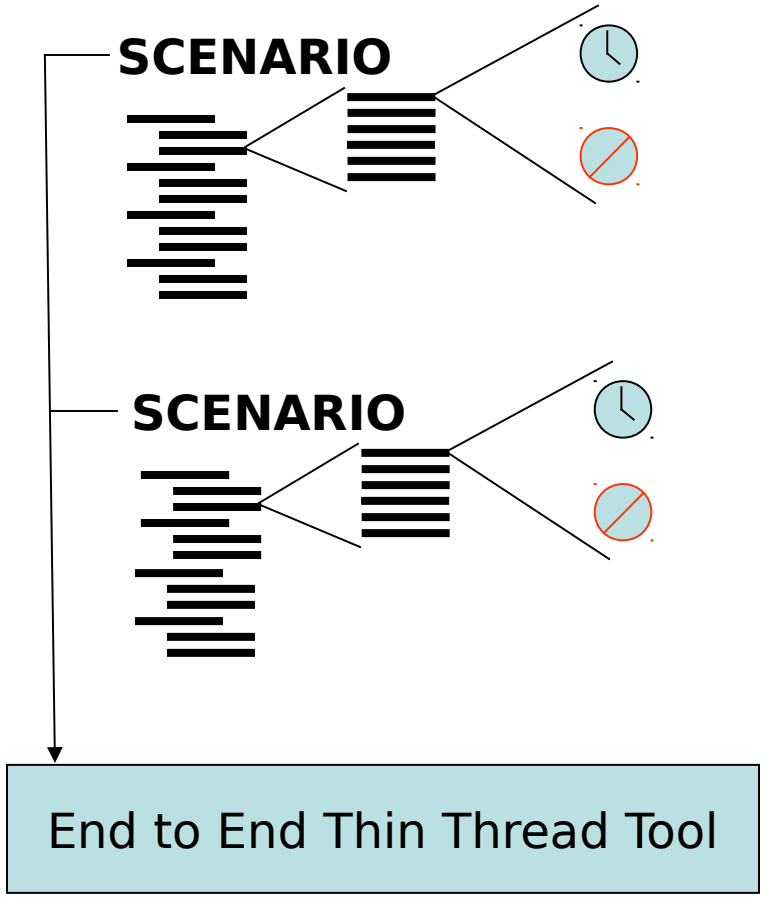


End to End Thin Thread Tool

Coverage Analysis
Completeness Analysis
Change Analysis
Ripple Effect Analysis
Flow Charting
Sequence Diagram

MULTIPLE SCENARIOS



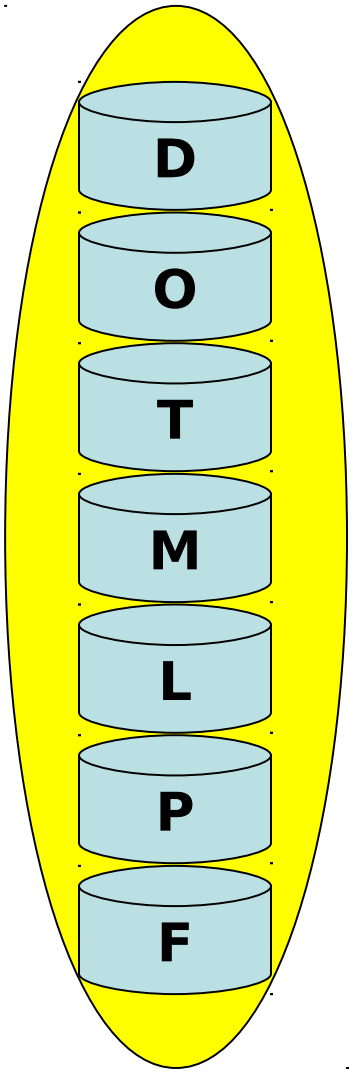


End to End Thin Thread Tool

SIMULATION
80% CODE GENERATION

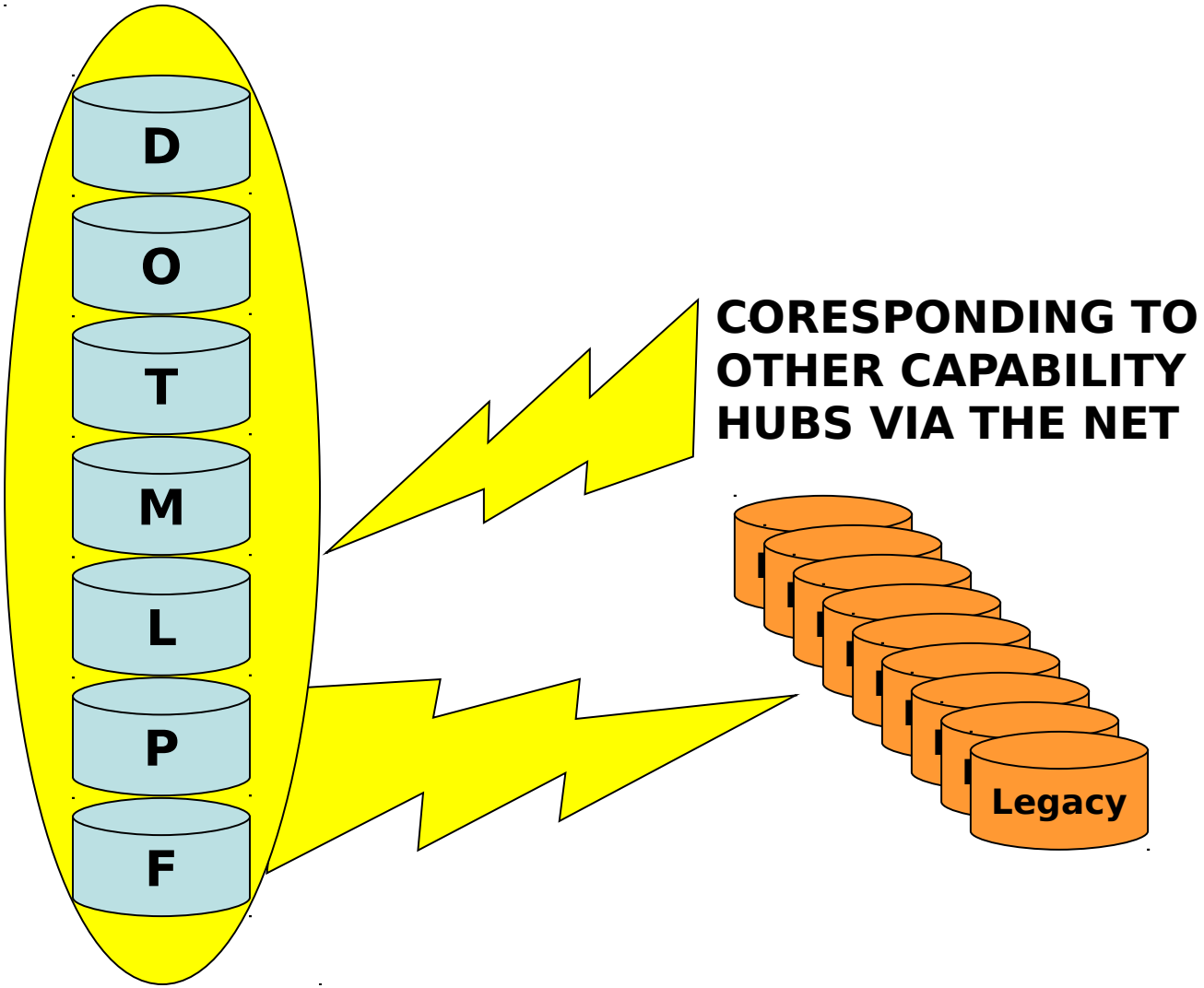
DIMENSIONAL DISTRIBUTION

A CAPABILITY HUB



DIMENSIONAL DISTRIBUTION

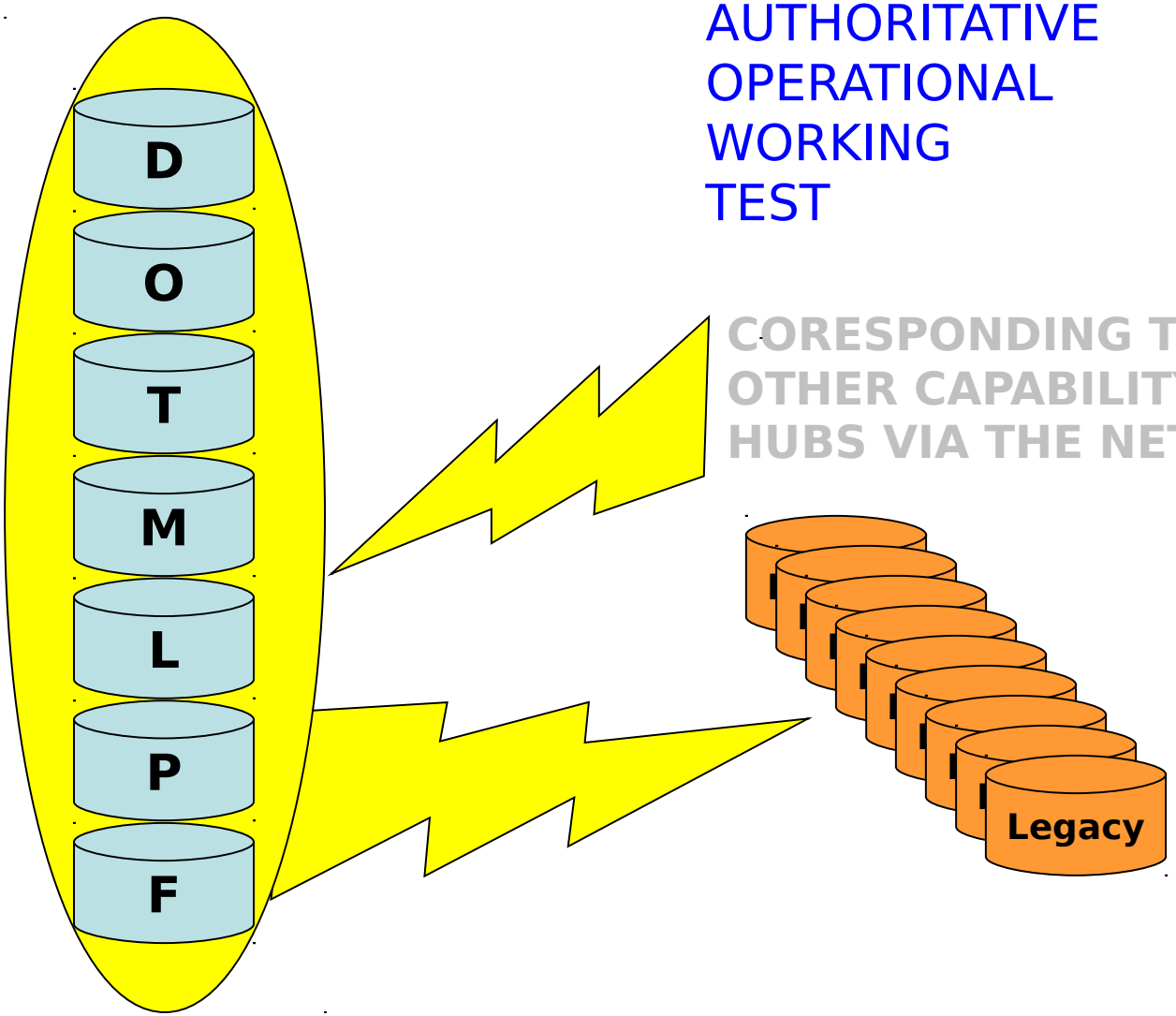
A CAPABILITY HUB



DIMENSIONAL DISTRIBUTION

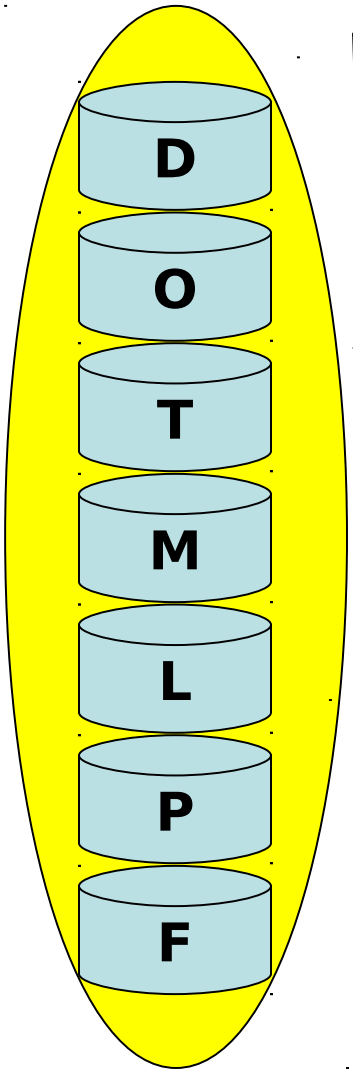
A CAPABILITY HUB - GOVERNANCE OF INFORMATION

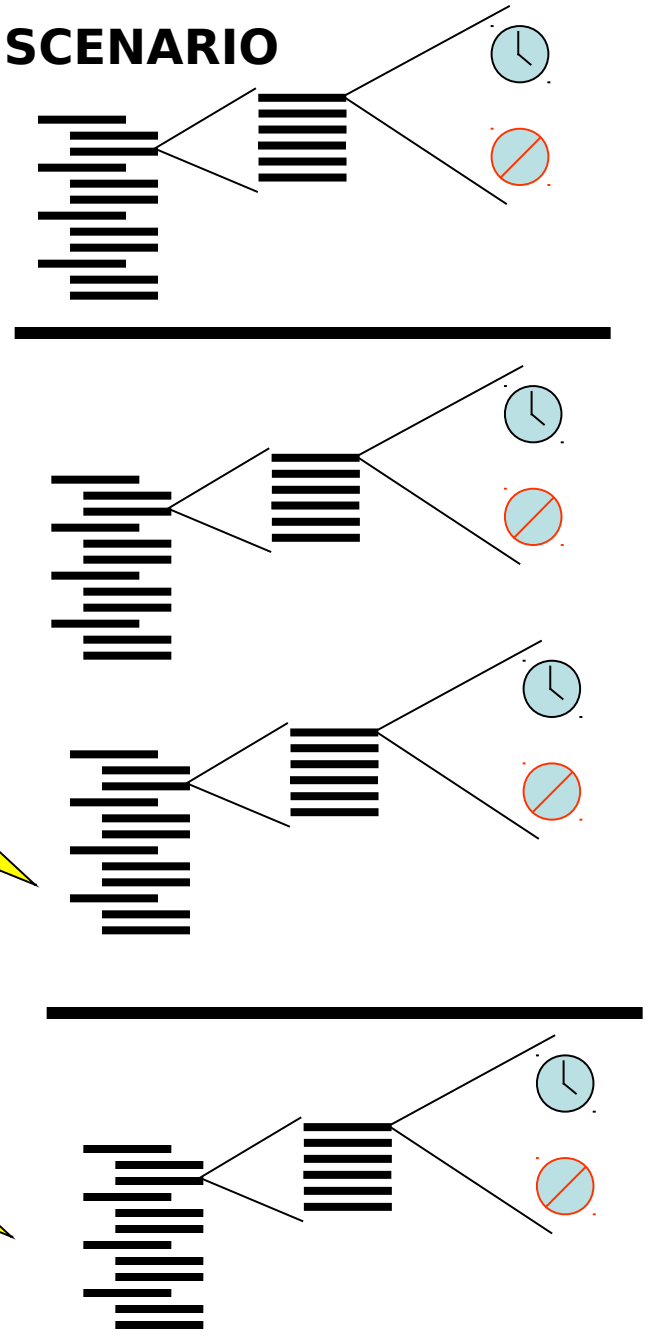
AUTHORITATIVE
OPERATIONAL
WORKING
TEST



DIMENSIONAL DISTRIBUTION

DECENTRALIZED SCENARIOS





INTRODUCING…..

Net Centric National Information Management

WAR

“WAR” EXTENDS GIG ATTRIBUTES

- imultaneously Support Multiple DoD Domains
  - Acquisition – Requisite documentation/Policy
  - Warfighting – Adjudication with DoD Task Lists
  - Capability – DOTMLPF (Not just the C4ISR/IT components)

- uild/Integrate GIG models directly with data (vice embed standalone da

- xtend DODAF/CADM extensions to fill contextual warfare gaps

- ossess advanced technical capabilities to fulfill emergent
  et-Centric Enterprise Services (NCES) objectives
  - Service Oriented Architecture (SOA)
  - Highly Scaleable
  - Intrinsically Networked
    - Large-scale hub oriented data distribution
    - “Scale-Free” operational philosophy
    - Reach-back to legacy data at other hubs
  - Thin-client, web-based approach
  - Access controlled, security managed

“WAR” SUPPORTS FULL NCW COMPLIANCE

Vitalizes the DODAF/CADM

- **Fills existing DoDAF warfighting/mission gaps**
- **Supports dynamic and inter-related related GIG diagrams**
- **Extends to support warfighting concepts, including logistics**

Supports simultaneously integrated domain viewpoints,

- **Acquisition documentation**
- **Warfighting task orientation**
- **Mission capability**
- **Extensible for NII required C4ISR components**

Organizes data against DOTMLPF categories

- **Draws upon appropriate DOTMLPF taxonomies**
- **Supports in depth relationships across the DOTMLPF**

Supports custom NCW scenario development in warfighting context

- **Uses mandated task lists such as UJTL, JTA, JMETL, etc.**
- **Permits use of custom task elements as necessary**
- **DOTMLPF element attribution by timing/condition/function**

“WAR” COMPLIES WITH NCES

Permits dynamic direct reach-back for use or ingestion or use of:
- **Available legacy data-based data**
- **All other network accessible data.**

Enforces effective control mechanisms
- **Access controls for multiple independent scenario builders**
- **Central information vetting and governance procedures**

Employs a Commercial-Off-The-Shelf (COTS) database
- **Stable, well established and well supported**
- **Highly scaleable and distributive in a web environment**
- **Superior performance (Compared to Oracle)**

Operates in a thin client web environment (Including NMCI)
- **eXtensible Markup Language (XML) capable**
- **Dynamic Scalar Vector Graphics (SVG) data-driven GIG diagrams**

Demonstrated to be web services capable for future NCES integration

CURRENT “WAR” STATUS (19 April 2004)

Object Oriented Data Model nearing maturity
- **WAR Population ongoing with focus on concise adaptive code**
- **Strong DOTMLPF relationships emerging**

Scenario generation component nearly complete and demonstrable
- **Task assignment capability is available**
- **DOTMLPF attribution to tasks is functional**
- **Timing/condition/function attribution for DOTMLPF task-item exists**
- **Scenario detail listing exposition designed and assigned**

Prototype scenario-based dynamic diagram capability demonstrable
- **OV-5 Input, Constraint, Output. Mechanism (ICOM) diagrams**
- **Full OV-5 SVG model integration in progress**
- **All other dynamic/integrated GIG diagrams/tables planned**

Limited access web demonstration IOC available in May 2004

THE WAY AHEAD FOR “WAR”

Embrace an operational NCES “Action-oriented” viewpoint

Use advanced semantic tools to convert existing “WAR” Taxonomies to a dynamic Ontology for strong NCW domain definition for an enhanced NCES and GIG

Automate End-to-End analysis across either closely related or Comparative (“as-is” vs “to-be”) scenarios

- **Ripple Effect and change analysis**
- **Coverage and completeness analysis**

Link scenarios directly to simulation/stimulation via HLA

Provide a supply chain linkage using existing technology for a full logistics “Total Assets Visibility” (TAV) viewpoint

Leveraging existing control theory value chain work to harness a Performance Measurement Framework (PMF)

RESULTING NEAR TERM BENEFITS FOR NCW

n operational thin-client web hub working on both NIPRNET and SIPRNE
- **Supports distributed NCW information architecture**
- **Incorporates a powerful data reach-back capability to other hubs**

tablishment of a common OO data model for NCW in a warfighting cont
- **Based upon accepted taxonomies**
- **A foundation for ontology-based web service evolution**

decentralized scenario generation capability for participating command
- **Data driven unified GIG diagram generation**
- **Extends known and established standards**

n Extensible COTS-based capability
- **To encompass necessary high-level NII/GIG/NECES concepts**
- **To support cross scenario End-to-End thread analyses**
- **To incorporate simulation and stimulation**
- **To build up logistics and performance measurement capabilities**
- **To fully embrace web services in short order**

JIST3 READINESS TO SUPPORT NCW

The Joint Interoperability for Systems Technology, Test and Training (JIST3) is an enduring 20 year Government-managed (Navy) project

JIST3 has survived by maturing with prevailing technologies

- **Early 1980's – Tri-service scientific data exchange**
- **Late 1980's – Joint E-Mail (Before services institutionalized it)**
- **Early 1990's – Pioneering Multi-Level Secure (MLS) work with NSA (Before WWW changed the security model)**
- **Late 1990's – Collaborative Web (Before industry institutionalized it)**
- **Early 2000's – Net Centric Warfare (NCW) Knowledge Management (KM)**

JIST3 possesses/operates the jcs.mil internet domain to support its join Community using highly secure Unix technology with redundant storag

JIST3 Operates a number of accredited host computers from NAWCAD (Patuxent River, Md) on behalf of its numerous DoD sponsors

- **NIPRNET/DREN – Sensitive but Unclassified**
- **SIPRNET – System High Secret**